REPORT

A3179-3

AMT
The Association For Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association

Direct Dial: (703) 827-5260

STATISTICAL
No. 19-92 March 4, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – 1991
(Values in Millions of U.S. Dollars)

	Dec. 1991	Nov. 1991	Average Sep-Nov.	Total'91	Total'90	% Change 1990-1991
METAL CUTTING MACHINE TOOLS						
Exports	$ 46.1	$ 51.1	$ 47.4	$ 597.8	$ 600.0	(0.4%)
Imports	$145.5	$126.7	$131.3	$1,645.4	$1,766.6	(6.9%)
Balance	($ 99.4)	($ 75.6)	($ 83.9)	($1,047.6)	($1,166.6)	(10.2%)
METAL FORMING MACHINE TOOLS						
Exports	$ 47.5	$ 34.8	$ 35.8	$ 478.4	$ 462.5	3.4%
Imports	$ 40.1	$ 26.0	$ 30.0	$ 490.3	$ 538.4	(8.9%)
Balance	$ 7.4	$ 8.8	$ 5.8	($ 11.9)	($ 75.9)	(84.3%)
MACHINE TOOL TOTAL						
Exports	$ 93.6	$ 86.0	$ 83.2	$1,076.1	$1,062.5	1.3%
Imports	$185.5	$152.7	$161.2	$2,135.7	$2,305.1	(7.3%)
Balance	($ 91.9)	($ 66.7)	($ 78.0)	($1,059.6)	($1,242.6)	(14.7%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 19.6	$ 29.9	$ 24.8	$ 304.3	$ 347.1	(12.3%)
Imports	$103.9	$ 92.2	$ 96.3	$1,099.1	$1,194.4	(8.0%)
Balance	($ 84.3)	($ 62.3)	($ 71.5)	($ 794.8)	($ 847.3)	(6.2%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$152.0	$145.0	$147.1	$1,701.8	$1,812.4	(6.1%)
Imports	$156.9	$144.5	$148.3	$1,955.1	$1,963.3	(0.4%)
Balance	($ 4.0)	$ 0.5	($ 1.2)	($ 253.3)	($ 150.9)	67.9%

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. Individual items may not add up to totals due to rounding.

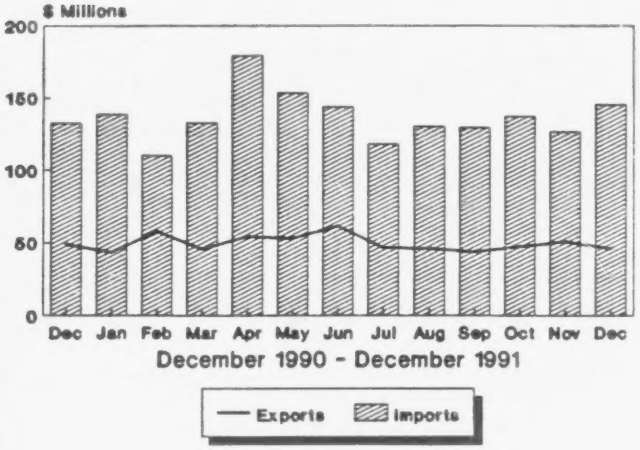
- U.S. machine tool exports in 1991 totalled $1.076 billion, the highest total ever and up 1.3% over 1990. 1991 was the eighth straight year in which U.S. machine tool exports rose.

- U.S. machine tool imports fell 7% in 1991 over 1990 to $2.1 billion. Imports have now fallen for two consecutive years.

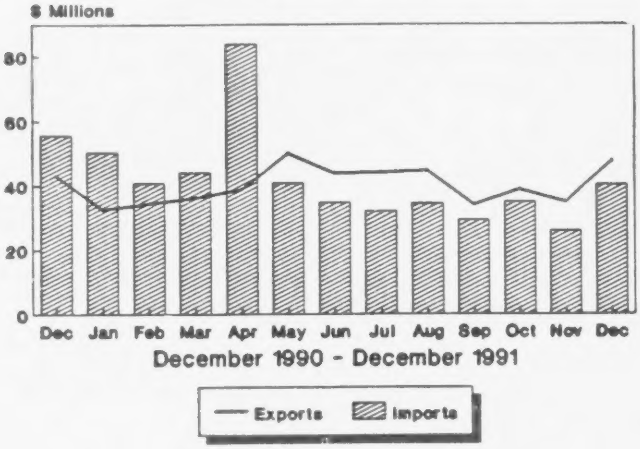
- For the third straight year, Canada was the top U.S. machine tool export market. Exports to Canada totalled $134.6 million in 1991, down 26% from 1990. Japan led all import sources at $991.4 million, down 7% from 1990.

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

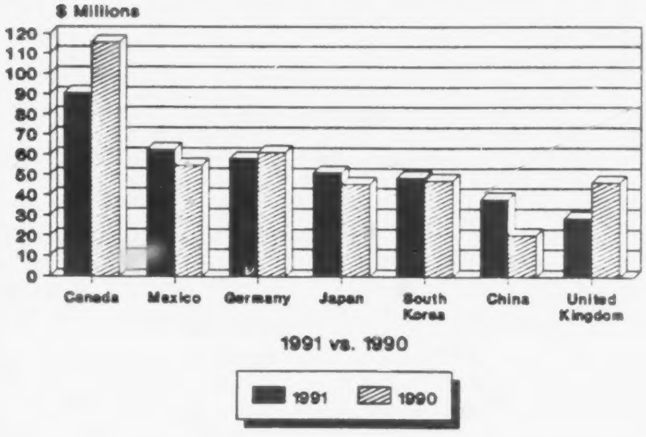
Exports

- Metal cutting machine tool exports in 1991 were $597.8 million, down less than 1% from 1990.

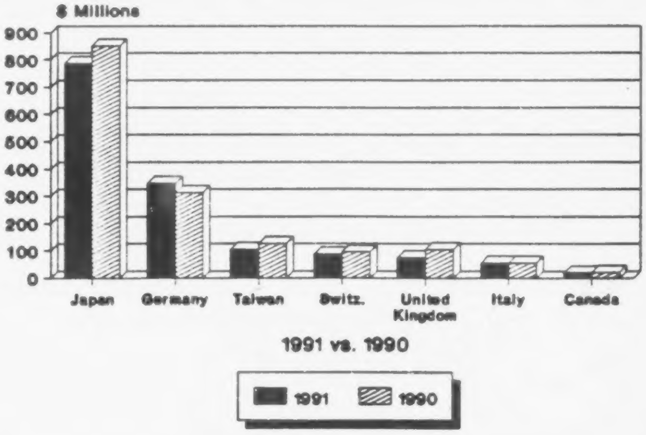
- Canada was the top metal cutting export market in 1991 at $90.5 million, down 22% from the previous year. Mexico followed at $62.5 million (up 14%), followed by Germany ($58.0 million, down 5%), Japan ($51.1 million, up 12%), South Korea ($48.6 million, up 3%), and China ($38.0 million, up 85%).

- Exports of drilling machines in 1991 ($23.4 million) were up 30% over 1990; exports of gear cutting machines ($66.2 million) were up 12%. Exports of NC vertical lathes ($2.5 million) were down 81%, while exports of grinding machines ($107.7 million) were down 18%.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

- Imports of metal cutting machines in 1991 were $1.6 billion, down 7% from 1990.

- Imports from Japan were down 7% in 1991 from 1990 at $788.4 million; Japan supplied 48% of all metal cutting imports. Imports from Germany in 1991 were $347.3 million, up 11% from 1990; imports from Taiwan were $104.2 million, down 17%.

- Imports of NC horizontal lathes in 1991 ($253.8 million) were down 12% over 1990; imports of machining centers ($312.6 million) were down 22%. Imports of station type machines ($217.9 million) were up 163%, and imports of boring machines ($54.7 million) were up 23%.

METAL FORMING MACHINE TOOLS

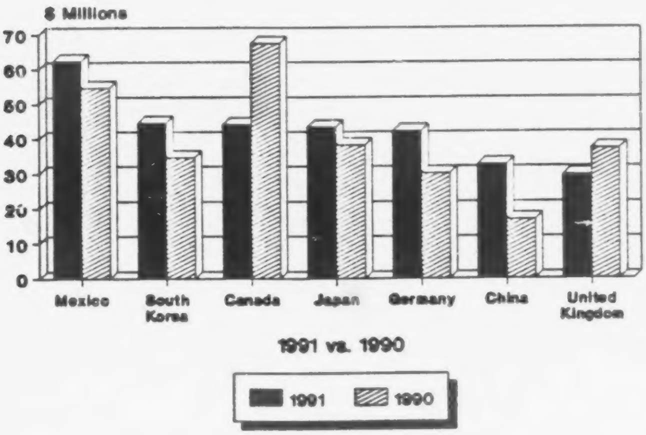
Exports

- Exports of metal forming machines in 1991 were $478.4 million, up from $462.5 million in 1990. December marked the eighth straight month that U.S. metal forming machine tool exports exceeded U.S. imports of metal forming machines.

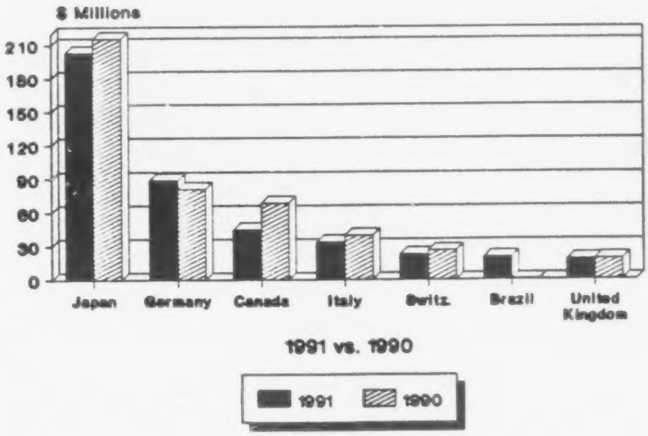
- Mexico was the top export market in 1991 at $62.4 million, up from $54.7 million in 1990. South Korea was next at $44.6 million (up 28%), followed by Canada ($44.1 million, down 35%), Japan ($43.3 million, up 13%) and Germany ($42.1 million, up 40%).

- Exports of presses in 1991 were down 13% over 1990 to $86.7 million; exports of punching and shearing machines were down 17% to $54.5 million. Exports of forging machines were $54.7 million, up 7% over 1990.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

- U.S. metal forming machine tool imports in 1991 totalled $490.3 million, down 9% from 1990; the import total for 1991 was the lowest annual total since 1985.

- Japan was the top metal forming supplier in 1991 at $203.0 million, down 6% from 1990. Imports from Germany ($88.5 million) were up 9%; imports from Canada ($44.7 million) and Italy ($33.7 million) were down 35% and 15%, respectively.

- Imports of presses in 1991 were up 14% over the previous year to $141.6 million; imports of bending and forming machines were down 14% to $81.2 million.

OTHER MANUFACTURING TECHNOLOGY

Exports

- Exports of other manufacturing technology totalled $1.7 billion in 1991, down 6% from 1990.

- Exports of machine tool parts and accessories were $675.9 million in 1991, down from $722.1 million in 1990. The top export markets: Canada ($127.7 million), Germany ($71.1 million), Japan ($64.5 million) and the United Kingdom ($51.8 million).

- Exports of machines using laser, light or photon beam processes were $34.1 million in 1991, down from $46.1 million in 1990.

Imports

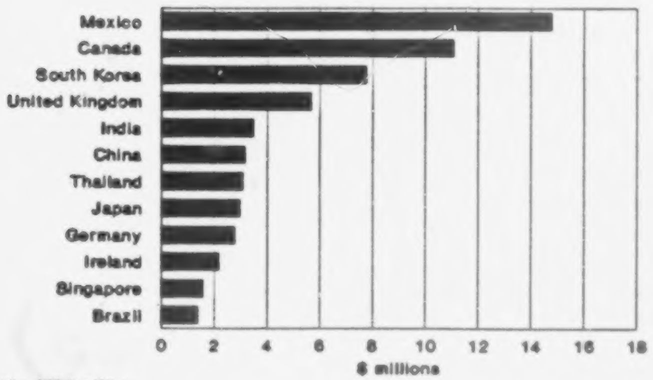
- Imports in 1991 of other manufacturing technology totalled $1.96 billion, down fractionally from 1990. The biggest single component: machine tool parts and accessories at $555.1 million, down from $564.5 million in 1990.

- Imports of injection molding machines in 1991 totalled $299.3 million, up from 1990's $296.7 million. Imports of numerical controls for controlling machine tools were $33.6 million in 1991, down from $45.5 million in 1990.

MONTHLY FOCUS

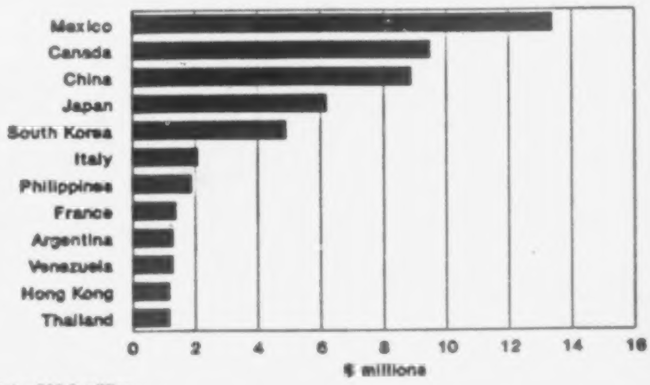
U.S. exports of used or rebuilt machine tools totalled $142.6 million in 1991, up from $119.7 million in 1990 and $117.6 million in 1989. A separate page details these exports by type of machine for 1991; exports of used or rebuilt machining centers, for example, were 417 machines valued at $11.1 million. The charts below detail the country of destination for U.S. exports of used or rebuilt machines in 1991. Mexico and Canada are the top two markets at $28.2 million and $20.6 million, respectively.

U.S. Exports of Used or Rebuilt
Metal Cutting Machine Tools
1991



Total - $76.6 million
Source: U.S. Bureau of the Census

U.S. Exports of Used or Rebuilt
Metal Forming Machine Tools
1991



Total - $66.0 million
Source: U.S. Bureau of the Census

U.S. Exports of Used or Rebuilt Machine Tools 1991

(values in thousands of U.S. dollars)

		Units	Value
MACHINE TOOL TOTAL		**10,023**	**$142,606**
METAL CUTTING TOTAL		**6,816**	**76,636**
8457100005	Machining centers, used or rebuilt	417	11,087
8458110005	Horizontal lathes, used or rebuilt, NC	348	4,799
190010	Horizontal lathes, used or rebuilt, non-NC	670	2,613
911040	Vertical turret lathes, used or rebuilt, NC	40	361
915040	Vertical lathes, excl. VTL's, used or rebuilt, NC	36	844
991010	Vertical lathes, excluding VTL's, used or rebuilt, non-NC	49	527
995030	Vertical lathes, excl. VTL's, used or rebuilt, non-NC	75	1,167
8459210040	Other drilling machines, used or rebuilt, NC	224	1,419
290010	Other drilling machines, non-NC	935	2,771
310005	Boring-milling machines, used or rebuilt, NC	39	1,028
390010	Boring-milling machines, n.e.c., used or rebuilt, non-NC	35	489
400010	Boring machines, used or rebuilt	67	3,091
510040	Milling machines, knee type, used or rebuilt, NC	17	2,152
590010	Milling machines, knee type, used or rebuilt, non-NC	118	1,984
610040	Milling machines, excluding knee type, used or rebuilt, NC	73	2,049
690010	Milling machines, excl. knee type, used or rebuilt, non-NC	102	6,013
700040	Threading or tapping machines, used or rebuilt	129	1,279
8460110040	Flat surface grinding machines, used or rebuilt, NC	169	679
190005	Flat surface grinding machines, used or rebuilt, non-NC	184	1,989
210040	Grind. mach., accur. 0.01mm, n.e.c., used or rebuilt, NC	243	2,032
290005	Grind. mach., accur. 0.01mm, n.e.c., used or rebuilt, non-NC	741	4,442
310040	Sharpen. mach. (tool & cutter grind.), used or rebuilt, NC	71	255
390010	Sharp. mach. (tool & cutter gr.), used or rebuilt, non-NC	557	1,994
400010	Honing or lapping machines, used or rebuilt	42	491
900010	Grind., honing, polish. mach. n.e.c., used or rebuilt	459	2,963
8461100020	Planing machines, used or rebuilt	127	1,204
200030	Shaping or slotting machines, used or rebuilt	93	1,087
300020	Broaching machines, used or rebuilt	22	720
401010	Gear cutting machines, used or rebuilt	107	4,932
405020	Gear grinding or finishing machines, used or rebuilt	291	1,764
500010	Sawing or cutting-off machines, used or rebuilt	261	3,052
900010	Metal cutting machine tools n.e.c., used or rebuilt	75	5,360
METAL FORMING TOTAL		**3,207**	**65,970**
8462100010	Forging or die stamping machines, used or rebuilt	412	17,572
210040	Bend., fold., straight. or flat. mach., used or rebuilt, NC	270	5,701
290010	Bend., fold., straight. mach., used or rebuilt, non-NC	463	4,219
310040	Shearing machines, used or rebuilt	40	1,039
390010	Shearing machines, used or rebuilt, non-NC	140	2,137
410040	Punch. or notch. mach., incl comb. p&sh, used or rebuilt, NC	60	2,315
490010	Punch. or notch., incl. comb.p&sh, used or rebuilt, non-NC	304	3,812
910030	Hydraulic presses, used or rebuilt	226	5,370
990010	Presses, excl. hydraulic, used or rebuilt	414	4,613
8463100040	Draw benches for bars, tubes, etc., used or rebuilt	68	1,184
200040	Thread rolling machines, used or rebuilt	74	1,077
300040	Machines for working wire, used or rebuilt	321	4,562
900040	Metal forming machine tools n.e.c., used or rebuilt	415	12,372

n.e.c. = not elsewhere classified

Source: U.S. Bureau of the Census

U.S. Exports of Machine Tools 1991*
By Type of Machine and Country of Origin
(values in thousands of U.S. dollars)

	Units	Value
TOTAL BORING MACHINES	**178**	**14,919**
Italy	5	2,908
Canada	22	2,765
Mexico	34	1,984
Egypt	57	1,627
Germany	3	1,315
Israel	10	1,086
South Korea	11	789
Singapore	1	648
Venezuela	3	320
Portugal	2	308
Other Countries	30	1,170

	Units	Value
TOTAL DRILLING MACHINES	**1,242**	**23,386**
Germany	95	7,041
Canada	395	3,431
Mexico	170	2,865
Taiwan	15	2,233
Japan	26	1,354
South Korea	161	954
Chile	10	878
Thailand	9	540
United Kingdom	71	466
Saudi Arabia	10	417
Netherlands	37	417
Other Countries	243	2,792

	Units	Value
TOTAL GEAR CUTTING	**305**	**66,219**
Japan	38	17,742
Germany	48	10,583
South Korea	29	8,260
Italy	25	6,088
USSR	8	5,034
India	6	2,899
Canada	19	2,404
Egypt	30	2,217
Argentina	3	1,972
Spain	3	1,813
France	3	1,420
United Kingdom	18	976
Belgium	17	930
Mexico	20	834
Other Countries	38	3,044

	Units	Value
TOTAL GRINDING MACHINES	**3,527**	**107,710**
Canada	548	15,938
Japan	315	11,380
Germany	340	10,616
South Korea	404	10,010
China	101	8,648
Mexico	358	6,814
United Kingdom	191	6,692
Brazil	84	5,279
France	89	5,278
India	188	4,458
Switzerland	54	2,465
Taiwan	70	2,131
Venezuela	186	1,971
Italy	55	1,858
Turkey	8	1,597
Netherlands	36	1,409
Singapore	31	1,187
USSR	9	988
Indonesia	9	759
Egypt	52	752
Other Countries	399	7,479

(continued next page)

	Units	Value
TOTAL NC HORIZ. LATHES	**311**	**36,024**
Canada	61	7,883
United Kingdom	59	5,603
China	26	4,427
Mexico	30	3,493
Japan	38	3,193
South Korea	15	1,894
France	10	1,790
Venezuela	12	1,330
Germany	11	1,084
Belgium	10	954
Spain	7	814
Argentina	7	533
USSR	5	456
Australia	2	448
Brazil	2	448
Other Countries	16	1,674

	Units	Value
TOTAL NC VERT. LATHES	**31**	**2,508**
Mexico	23	1,953
Denmark	5	265
Canada	1	214
Peru	1	43
Egypt	1	33

	Units	Value
TOTAL NON-NC LATHES	**541**	**15,768**
Mexico	193	6,554
Canada	75	2,297
Venezuela	13	1,003
South Korea	30	888
Japan	25	720
China	3	633
United Kingdom	25	601
Brazil	36	443
France	4	403
Germany	16	354
Saudi Arabia	28	334
Taiwan	8	241
India	8	236
New Zealand	3	129
Chile	3	121
Other Countries	71	810

	Units	Value
TOTAL MILLING MACHINES	**575**	**34,341**
Canada	81	8,693
South Korea	129	8,242
China	56	4,578
Argentina	1	2,560
Mexico	108	2,020
Singapore	30	1,204
Brazil	2	940
Chile	25	902
France	4	825
United Kingdom	22	652
Japan	28	612
Egypt	4	398
Australia	11	335
Saudi Arabia	10	300
Costa Rica	4	262
India	2	219
Taiwan	3	213
Kuwait	7	184
United Arab Emirates	7	165
Colombia	2	151
Italy	3	130
Other Countries	36	755

U.S. Exports of Machine Tools 1991*
By Type of Machine and Country of Origin, continued

(values in thousands of U.S. dollars)

	Units	Value
TOTAL MACHINING CENTERS	**297**	**58,897**
Canada	81	11,895
China	18	8,340
Argentina	2	8,208
Mexico	63	7,688
Belgium	18	2,986
Sweden	5	2,657
South Korea	11	2,098
Taiwan	8	1,889
United Kingdom	17	1,769
Egypt	4	1,608
France	6	1,218
Japan	6	1,113
Netherlands	6	1,106
Germany	8	907
Singapore	8	904
Other Countries	36	4,511

	Units	Value
TOTAL STATION TYPE	**105**	**48,593**
Germany	13	12,904
USSR	15	12,635
Canada	12	6,348
France	36	4,520
China	3	3,157
Mexico	13	2,582
Indonesia	1	2,465
Japan	2	1,425
South Korea	3	987
India	1	585
United Kingdom	4	537
Hong Kong	1	260
Ireland	1	188

	Units	Value
TOTAL METAL CUT. N.E.C.	**3,174**	**88,161**
Canada	545	14,308
Germany	210	9,127
Japan	348	8,602
Mexico	289	6,891
South Korea	189	5,289
United Kingdom	290	4,850
China	61	4,211
Venezuela	106	3,710
Belgium	48	3,517
Taiwan	72	3,153
Italy	89	2,924
Hong Kong	126	2,730
Brazil	89	2,418
Singapore	63	1,733
Switzerland	56	1,404
France	45	1,267
Netherlands	90	1,196
Turkey	10	1,147
Other Countries	448	9,685

	Units	Value
TOTAL PUNCH & SHEAR	**1,357**	**54,513**
Mexico	263	11,122
Canada	250	7,846
Japan	61	4,411
Germany	113	4,225
United Kingdom	51	3,465
Taiwan	48	3,278
South Korea	64	2,285
Netherlands	26	2,174
Ireland	19	1,685
China	37	1,630
Singapore	53	1,375
France	11	1,052
Other Countries	361	9,964

	Units	Value
TOTAL BENDING & FORMING	**1,630**	**67,966**
Mexico	272	12,968
Canada	375	11,495
United Kingdom	310	9,853
South Korea	29	3,435
Philippines	29	3,375
Germany	57	2,952
Saudi Arabia	16	2,458
Japan	58	1,960
Brazil	34	1,651
Indonesia	29	1,624
Taiwan	27	1,336
China	19	1,329
Singapore	33	1,227
Australia	82	1,112
France	16	1,069
Other Countries	244	10,122

	Units	Value
TOTAL PRESSES	**1,857**	**86,697**
Germany	144	16,015
Mexico	802	14,888
United Kingdom	102	7,600
Japan	122	7,080
South Korea	61	5,657
France	66	4,226
Turkey	28	3,830
China	30	2,762
Brazil	41	2,718
Indonesia	37	2,607
Taiwan	37	2,321
Canada	84	2,294
Italy	18	1,551
Portugal	2	1,393
Hong Kong	26	1,198
Netherlands	28	1,152
Other Countries	229	9,406

	Units	Value
TOTAL FORGING MACHINES	**362**	**54,737**
Japan	36	13,921
France	80	6,447
Canada	27	4,874
Italy	19	4,638
South Korea	37	4,216
Germany	34	3,953
Mexico	29	3,093
Thailand	7	2,296
Brazil	3	2,011
Belgium	4	1,792
Netherlands	5	1,373
Singapore	8	1,288
United Kingdom	14	1,033
Other Countries	59	3,801

	Units	Value
TOTAL METAL FORM. N.E.C.	**2,944**	**136,414**
South Korea	319	23,675
China	81	17,578
Germany	307	12,983
Japan	270	9,022
France	131	8,633
Australia	51	6,672
Canada	211	6,232
United Kingdom	201	5,580
Ireland	39	5,279
Thailand	84	4,502
Mexico	264	4,489
Netherlands	90	4,064
Taiwan	49	3,220
Spain	43	3,115
Other Countries	804	21,372

*Includes new machines valued over $3,025 only
Source: U.S. Bureau of the Census

U.S. Imports of Machine Tools 1991*
By Type of Machine and Country of Origin
(values in thousands of U.S. dollars)

	Units	Value
TOTAL BORING MACHINES	**638**	**54,688**
Germany	103	18,250
Japan	41	15,446
Italy	82	5,278
Switzerland	8	3,965
France	226	3,790
United Kingdom	13	2,793
Austria	2	1,059
Yugoslavia	10	838
USSR	8	680
Canada	58	677
Netherlands	1	432
Other Countries	94	1,480
TOTAL DRILLING MACHINES	**1,063**	**40,896**
Japan	455	27,852
Germany	35	3,838
France	5	2,240
Canada	20	1,454
Spain	216	1,392
Taiwan	111	718
Italy	15	631
South Korea	5	393
United Kingdom	17	391
China	64	377
Brazil	31	358
Other Countries	89	1,251
TOTAL GEAR CUTTING	**364**	**43,234**
Germany	148	27,142
Switzerland	105	6,291
Japan	43	5,612
Netherlands	3	2,013
United Kingdom	36	770
Belgium	1	755
China	16	277
South Korea	4	176
Italy	7	170
Liechtenstein	1	29
TOTAL GRINDING MACHINES	**5,626**	**239,048**
Japan	1,112	96,981
Germany	971	60,198
Switzerland	261	23,470
United Kingdom	590	12,725
Italy	222	9,831
Taiwan	1,195	9,572
Sweden	59	9,476
Spain	27	2,760
Canada	303	2,611
Australia	38	2,163
China	191	1,832
Singapore	174	1,772
Yugoslavia	94	1,260
Denmark	153	1,219
Thailand	39	473
Czechoslovakia	17	467
India	36	378
Brazil	11	349
Netherlands	15	336
France	43	294
Liechtenstein	18	220
Poland	7	116
Other Countries	50	546

	Units	Value
TOTAL NC HORIZ. LATHES	**2,461**	**253,757**
Japan	1,870	198,970
Germany	72	20,509
Taiwan	129	6,412
South Korea	95	6,043
United Kingdom	76	5,436
Switzerland	45	4,797
France	23	3,073
Sweden	2	2,452
Austria	77	2,065
Brazil	29	2,024
Hungary	23	758
Other Countries	20	1,218
TOTAL NC VERT. LATHES	**116**	**30,988**
Japan	67	16,112
Germany	10	4,987
Italy	12	4,023
France	12	3,815
United Kingdom	3	789
Sweden	2	623
South Korea	2	241
Switzerland	4	240
Canada	3	81
Spain	1	76
TOTAL NON-NC LATHES	**4,745**	**79,229**
Germany	44	10,611
Japan	130	9,496
Taiwan	1,194	9,396
Switzerland	53	7,781
United Kingdom	385	7,730
China	1,221	6,615
South Korea	193	5,965
Brazil	613	5,374
Poland	195	4,690
Singapore	233	3,004
Italy	24	2,320
Spain	129	1,365
Czechoslovakia	66	1,239
Austria	75	837
France	16	750
USSR	33	452
Yugoslavia	19	426
Argentina	7	244
Bulgaria	39	241
India	17	223
Other Countries	59	467
TOTAL MILLING MACHINES	**3,281**	**71,503**
Japan	105	16,738
Germany	80	11,238
Taiwan	1,259	10,065
Spain	1,229	9,876
Switzerland	21	8,056
United Kingdom	101	6,445
Canada	16	2,101
Italy	11	1,747
China	289	1,735
Austria	74	1,123
France	7	658
Singapore	16	588
Czechoslovakia	33	537
Other Countries	40	595

(continued next page)

U.S. Imports of Machine Tools 1991, continued*
By Type of Machine and Country of Origin
(values in thousands of U.S. dollars)

	Units	Value
TOTAL MACHINING CENTERS	**2,636**	**312,618**
Japan	1,709	222,756
Germany	91	22,879
United Kingdom	212	16,471
Taiwan	182	13,745
Italy	32	12,253
Singapore	154	7,437
Israel	70	3,175
Thailand	63	2,714
South Korea	40	2,434
Switzerland	6	2,375
Sweden	4	1,204
Canada	8	1,013
Yugoslavia	13	1,003
France	10	966
China	31	850
Other Countries	11	1,341

	Units	Value
TOTAL STATION TYPE	**202**	**217,879**
Germany	62	120,479
Japan	47	71,415
Italy	14	9,885
Switzerland	30	6,143
Canada	20	5,104
United Kingdom	3	1,809
South Korea	19	1,809
France	2	760
Other Countries	5	476

	Units	Value
TOTAL METAL CUT. N.E.C.	**3,536**	**166,345**
Japan	1,284	85,108
Germany	450	32,454
Switzerland	275	20,715
United Kingdom	73	5,901
Thailand	141	5,663
Canada	361	4,834
Taiwan	465	4,510
Italy	151	3,450
France	38	671
Netherlands	22	648
Austria	106	471
Hong Kong	22	296
Spain	11	251
Australia	15	226
Other Countries	122	1,148

	Units	Value
TOTAL PUNCHING & SHEARING	**985**	**57,896**
Japan	196	18,492
Germany	211	14,561
Italy	121	7,108
Finland	17	6,133
Canada	61	2,370
Switzerland	18	2,367
United Kingdom	106	1,916
Belgium	60	1,441
Spain	109	1,304
Netherlands	12	707
Sweden	16	448
Taiwan	23	412
Other Countries	35	635

	Units	Value
TOTAL BENDING & FORMING	**1,707**	**81,238**
Japan	554	31,905
Canada	428	13,885
Germany	119	10,732
Sweden	131	6,034
United Kingdom	54	5,280
Italy	143	4,362
Belgium	40	2,587
Switzerland	52	2,429
Netherlands	24	655
Taiwan	44	650
Finland	29	558
Hungary	3	365
Austria	6	320
Israel	20	319
Other Countries	60	1,156

	Units	Value
TOTAL PRESSES	**2,880**	**141,619**
Japan	551	77,948
Brazil	3	18,652
Germany	169	18,139
Canada	257	12,932
Sweden	36	3,268
United Kingdom	64	2,635
Italy	82	1,939
Taiwan	348	1,635
Switzerland	48	1,188
Belgium	4	1,172
China	554	528
Spain	488	308
Mexico	9	270
France	17	257
Other Countries	250	748

	Units	Value
TOTAL FORGING MACHINES	**764**	**56,895**
Japan	316	24,348
Germany	131	12,192
Italy	55	6,623
Switzerland	17	2,696
United Kingdom	84	2,485
Yugoslavia	7	1,902
Canada	54	1,499
Taiwan	45	1,498
Belgium	2	1,296
France	7	666
Austria	1	572
Hong Kong	9	461
Other Countries	36	656

	Units	Value
TOTAL METAL FORM. N.E.C.	**2,573**	**122,212**
Japan	689	41,478
Germany	390	29,101
Switzerland	360	12,395
Italy	452	11,997
Canada	182	10,042
Spain	46	3,145
Austria	13	2,929
Belgium	37	2,539
United Kingdom	135	2,432
France	118	1,101
Taiwan	71	998
Hungary	5	879
Netherlands	19	830
Other Countries	56	2,346

*Includes new machines valued over $3,025 only
n.e.c. = not elsewhere classified

Source: U.S. Bureau of the Census

1991 EXPORTS

METAL CUTTING

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Canada	$7,855,617	$6,042,193	30.0%	$90,498,471	$115,565,907	-21.7%
Mexico	7,732,759	6,673,850	15.9%	62,466,987	54,628,588	14.3%
Germany	3,043,673	4,644,713	-34.5%	58,046,679	61,170,623	-5.1%
Japan	1,985,652	2,150,354	-7.7%	51,142,149	45,475,976	12.5%
South Korea	2,962,522	1,933,290	53.2%	48,633,892	47,156,699	3.1%
China	1,196,582	5,643,634	-78.8%	38,029,981	20,536,729	85.2%
United Kingdom	1,909,232	1,676,553	13.9%	28,859,593	46,248,926	-37.6%
USSR	0	1,399,316	-100.0%	19,325,562	7,910,069	144.3%
France	1,964,684	170,031	1055.5%	18,526,367	8,892,338	108.3%
Italy	2,712,095	2,697,875	0.5%	15,793,949	19,031,887	-17.0%
India	1,360,553	984,421	38.2%	13,685,019	20,870,750	-34.4%
Brazil	773,142	596,559	29.6%	11,766,032	17,567,597	-33.0%
Taiwan	977,633	297,583	228.5%	11,077,677	11,266,988	-1.7%
Venezuela	747,481	868,455	-13.9%	10,976,941	7,232,310	51.8%
Belgium	220,770	298,900	-26.1%	10,293,179	20,115,392	-48.8%
Singapore	1,059,072	470,527	125.1%	8,886,053	8,698,335	2.2%
Switzerland	261,520	643,990	-59.4%	5,396,476	5,727,837	-5.8%
Thailand	3,116,371	35,240	8743.3%	5,325,786	2,271,462	134.5%
Spain	694,911	2,158,026	-67.8%	4,988,292	5,977,411	-16.5%
Indonesia	51,558	32,047	60.9%	4,828,656	443,344	989.1%
Netherlands	515,398	32,989	1462.3%	4,794,169	6,167,757	-22.3%
Australia	192,542	74,546	158.3%	4,254,091	15,732,098	-73.0%
Malaysia	75,358	57,013	32.2%	3,064,438	2,487,036	23.2%
Austria	18,500	28,245	-34.5%	830,247	505,208	64.3%

METAL FORMING

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Mexico	$7,660,280	$5,097,959	50.3%	$62,399,093	$54,694,307	14.1%
South Korea	5,595,936	7,100,511	-21.2%	44,572,772	34,687,862	28.5%
Canada	3,665,371	3,613,634	1.4%	44,055,822	67,404,047	-34.6%
Japan	3,669,927	2,725,207	34.7%	43,300,325	38,197,786	13.4%
Germany	2,511,319	2,724,441	-7.8%	42,122,502	30,150,534	39.7%
China	9,345,536	1,398,865	568.1%	32,673,470	16,731,782	95.3%
United Kingdom	1,222,197	552,777	121.1%	29,574,913	37,118,351	-20.3%
France	1,370,256	394,473	247.4%	23,278,734	19,409,176	19.9%
Taiwan	1,967,107	856,611	129.6%	11,204,836	16,981,361	-34.0%
Italy	600,651	168,876	255.7%	10,630,583	9,212,424	15.4%
Thailand	754,480	1,392,359	-45.8%	10,474,510	6,290,394	66.5%
Netherlands	824,048	262,691	213.7%	9,946,077	9,773,883	1.8%
Australia	79,810	100,818	-20.8%	9,665,684	7,408,897	30.5%
Brazil	266,366	32,662	715.5%	8,148,261	10,186,175	-20.0%
Singapore	223,211	91,885	142.9%	6,210,110	6,617,872	-6.2%
Indonesia	560,123	460,499	21.6%	6,003,956	6,924,490	-13.3%
Belgium	675,499	2,135,588	-68.4%	5,846,473	2,757,980	112.0%
Spain	92,071	8,648	964.7%	4,836,592	5,843,202	-17.2%
Venezuela	341,208	739,011	-53.8%	3,299,441	2,543,373	29.7%
Switzerland	97,342	182,805	-46.8%	2,787,429	3,066,484	-9.1%
Malaysia	297,540	17,855	1566.4%	1,721,206	4,634,830	-62.9%
India	64,849	69,360	-6.5%	1,136,007	6,714,720	-83.1%
USSR	293,974	58,182	405.3%	475,040	732,665	-35.2%
Austria	2,682	2,782	-3.6%	434,032	2,472,007	-82.4%

MACHINE TOOL TOTAL

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Canada	$11,520,988	$ 9,655,827	19.3%	$134,554,293	$182,969,954	-26.5%
Mexico	15,393,039	11,771,809	30.8%	124,866,080	109,322,895	14.2%
Germany	5,554,992	7,369,154	-24.6%	100,169,181	91,321,157	9.7%
Japan	5,655,579	4,875,561	16.0%	94,442,474	83,673,762	12.9%
South Korea	8,558,458	9,033,801	-5.3%	93,206,664	81,844,561	13.9%
China	10,542,118	7,042,499	49.7%	70,703,451	37,268,511	89.7%
United Kingdom	3,131,429	2,229,330	40.5%	58,434,506	83,367,277	-29.9%
France	3,334,940	564,504	490.8%	41,805,101	28,301,514	47.7%
Italy	3,312,746	2,866,751	15.6%	26,424,532	28,244,311	-6.4%
Taiwan	2,944,740	1,154,194	155.1%	22,282,513	28,248,349	-21.1%
Brazil	1,039,508	629,221	65.2%	19,914,293	27,753,772	-28.2%
USSR	293,974	1,457,498	-79.8%	19,800,602	8,642,734	129.1%
Belgium	896,269	2,434,488	-63.2%	16,139,652	22,873,372	-29.4%
Thailand	3,870,851	1,427,599	171.1%	15,800,296	8,561,856	84.5%
Singapore	1,282,283	562,412	128.0%	15,096,163	15,316,207	-1.4%
India	1,425,402	1,053,781	35.3%	14,821,026	27,585,470	-46.3%
Netherlands	1,339,446	295,680	353.0%	14,740,246	15,941,640	-7.5%
Venezuela	1,088,689	1,607,466	-32.3%	14,276,382	9,775,683	46.0%
Australia	272,352	175,364	55.3%	13,919,775	23,140,995	-39.8%
Indonesia	611,681	492,546	24.2%	10,832,612	7,367,834	47.0%
Spain	786,982	2,166,674	-63.7%	9,824,884	11,820,613	-16.9%
Switzerland	358,862	826,795	-56.6%	8,183,905	8,794,321	-6.9%
Malaysia	372,898	74,868	398.1%	4,785,644	7,121,866	-32.8%
Austria	21,182	31,027	-31.7%	1,264,279	2,977,215	-57.5%

1991 IMPORTS

METAL CUTTING

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Japan	$67,290,186	$70,829,888	-5.0%	$788,401,654	$852,567,316	-7.5%
Germany	25,552,848	18,614,952	37.3%	347,319,665	313,039,506	11.0%
Taiwan	6,668,088	6,587,684	1.2%	104,241,433	126,215,640	-17.4%
Switzerland	14,585,126	8,157,318	78.8%	87,741,671	95,371,153	-8.0%
United Kingdom	6,051,578	3,390,960	78.5%	74,315,850	104,992,789	-29.2%
Italy	10,007,117	3,716,725	169.2%	56,248,901	55,015,819	2.2%
Canada	3,577,100	1,974,737	81.1%	20,157,896	21,521,942	-6.3%
South Korea	1,732,437	1,434,671	20.8%	19,168,442	18,129,055	5.7%
France	556,641	631,529	-11.9%	19,038,687	23,971,635	-20.6%
Sweden	1,352,573	1,416,031	-4.5%	17,531,089	16,732,692	4.8%
Spain	512,793	1,153,598	-55.5%	16,367,005	25,534,883	-35.9%
Singapore	1,304,665	1,270,367	2.7%	13,335,115	18,676,922	-28.6%
Brazil	407,398	399,648	1.9%	8,294,292	12,703,745	-34.7%
Belgium	1,686	14,399	-88.3%	1,845,119	1,685,407	9.5%

METAL FORMING

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Japan	$14,873,420	$10,188,048	46.0%	$203,043,806	$215,936,189	-6.0%
Germany	6,277,031	5,317,209	18.1%	88,461,487	81,024,617	9.2%
Canada	4,504,506	3,202,461	40.7%	44,674,272	68,392,893	-34.7%
Italy	1,792,931	2,466,824	-27.3%	33,735,420	39,547,317	-14.7%
Switzerland	3,808,772	1,139,191	234.3%	22,672,590	25,925,009	-12.5%
Brazil	55,935	0	NA	19,815,806	204,906	9570.7%
United Kingdom	2,341,770	787,457	197.4%	17,598,928	18,185,562	-3.2%
Sweden	707,215	556,692	27.0%	10,542,639	32,939,256	-68.0%
Belgium	1,400,273	547,874	155.6%	9,950,141	20,764,178	-52.1%
Taiwan	778,736	472,807	64.7%	7,390,484	8,914,627	-17.1%
Spain	2,242,841	218,269	927.6%	5,328,184	4,355,372	22.3%
France	96,548	107,572	-10.2%	2,611,466	3,666,728	-28.8%
Singapore	315,499	0	NA	733,254	485,931	50.9%
South Korea	57,000	5,250	985.7%	598,725	743,516	-19.5%

MACHINE TOOL TOTAL

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Japan	$82,163,606	$81,017,936	1.4%	$991,445,460	$1,068,503,505	-7.2%
Germany	31,829,879	23,932,161	33.0%	435,781,152	394,064,123	10.6%
Taiwan	7,446,824	7,060,491	5.5%	111,631,917	135,130,267	-17.4%
Switzerland	18,393,898	9,296,509	97.9%	110,414,261	121,296,162	-9.0%
United Kingdom	8,393,348	4,178,417	100.9%	91,914,778	123,178,351	-25.4%
Italy	11,800,048	6,183,549	90.8%	89,984,321	94,563,136	-4.8%
Canada	8,081,606	5,177,198	56.1%	64,832,168	89,914,835	-27.9%
Brazil	463,333	399,648	15.9%	28,110,098	12,908,651	117.8%
Sweden	2,059,788	1,972,723	4.4%	28,073,728	49,671,948	-43.5%
Spain	2,755,634	1,371,867	100.9%	21,695,189	29,890,255	-27.4%
France	653,189	739,101	-11.6%	21,650,153	27,638,363	-21.7%
South Korea	1,789,437	1,439,921	24.3%	19,767,167	18,872,571	4.7%
Singapore	1,620,164	1,270,367	27.5%	14,068,369	19,162,853	-26.6%
Belgium	1,401,959	562,273	149.3%	11,795,260	22,449,585	-47.5%

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,350	$13,231,937	5,314	$9,384,660	5,918	$12,359,757	5,272	$15,333,596
Boring machines	8	572,189	8	2,689,884	7	490,980	10	781,577
Drilling machines	104	2,125,292	72	2,302,444	98	2,731,002	94	1,177,353
Gear cutting machines	14	7,378,919	23	3,441,470	16	3,898,627	22	6,720,535
Grinding machines	244	5,937,543	272	10,254,977	275	8,387,839	313	11,543,197
NC horizontal lathes	15	2,388,500	33	3,043,968	29	3,419,112	38	4,707,962
NC vertical lathes	1	161,310	2	341,835	6	371,174	1	89,700
Non-NC lathes	37	817,093	46	1,273,108	34	912,266	64	1,399,820
Milling machines	21	1,285,651	27	1,256,940	56	1,629,636	35	6,730,275
Machining centers	18	2,251,834	27	4,699,366	21	6,179,301	33	5,723,799
Station type machines	7	6,763,963	10	16,280,662	3	3,750,445	0	0
Other metal cutting machines	223	7,078,662	278	7,046,503	322	7,317,458	266	6,517,985
Punching & shearing machines	108	4,513,331	79	5,456,279	85	4,584,562	157	4,594,728
Bending & forming machines	116	4,251,882	102	6,952,107	119	7,232,573	120	4,830,552
Presses	293	7,418,063	96	5,734,227	128	4,847,879	168	7,262,958
Forging machines	11	2,746,151	19	5,146,204	21	4,124,370	11	868,133
Other metal forming machines	231	7,030,224	185	7,182,512	193	9,543,993	308	14,549,088
MACHINE TOOL TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	6,912	92,831,258

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,847	$14,473,978	6,716	$15,068,308	5,909	$16,595,564	7,211	$21,518,830
Boring machines	9	811,684	29	2,458,144	53	1,485,134	21	1,762,000
Drilling machines	81	1,767,423	182	2,096,676	182	2,218,922	78	1,759,560
Gear cutting machines	39	6,598,232	42	10,858,258	11	4,027,477	7	2,476,528
Grinding machines	285	9,241,644	390	12,599,243	398	11,576,263	308	6,788,528
NC horizontal lathes	19	1,914,295	25	2,373,736	26	2,567,207	23	2,111,735
NC vertical lathes	9	592,211	2	108,000	4	269,504	1	22,000
Non-NC lathes	45	1,357,057	49	2,263,152	27	407,865	35	1,881,608
Milling machines	57	5,134,958	73	6,889,800	57	3,124,857	48	2,636,055
Machining centers	37	5,715,931	24	2,660,799	26	3,139,607	12	948,374
Station type machines	4	3,143,769	6	2,649,559	5	4,718,427	2	80,000
Other metal cutting machines	341	8,257,118	273	9,131,128	198	4,100,231	281	9,631,000
Punching & shearing machines	111	5,445,644	129	3,810,698	132	3,568,471	115	4,809,018
Bending & forming machines	108	5,331,914	257	9,068,216	169	6,262,244	176	6,665,618
Presses	96	6,098,800	210	6,552,960	199	11,252,200	126	7,336,120
Forging machines	40	4,435,634	40	5,388,723	57	8,447,700	38	9,086,436
Other metal forming machines	223	22,718,552	234	11,390,564	225	6,748,375	194	11,311,721
MACHINE TOOL TOTAL	7,351	103,038,844	8,681	105,367,964	7,678	90,510,048	8,676	90,825,131

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991		OCTOBER 1991		NOVEMBER 1991		DECEMBER 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	4,681	$13,799,781	4,312	$14,136,772	5,785	$13,836,478	5,310	$19,546,367
Boring machines	3	82,808	8	1,566,411	5	524,907	17	1,693,549
Drilling machines	72	1,649,843	98	1,189,185	90	2,392,865	91	1,975,745
Gear cutting machines	49	6,635,184	32	4,683,694	21	3,679,001	29	5,821,183
Grinding machines	233	5,137,364	252	8,200,926	288	8,309,567	269	9,732,625
NC horizontal lathes	22	2,547,345	36	4,088,207	25	4,655,517	20	2,206,194
NC vertical lathes	1	31,150	2	267,983	1	160,000	1	92,875
Non-NC lathes	49	1,621,326	52	1,694,551	54	1,088,404	49	1,051,630
Milling machines	16	363,774	103	2,701,167	40	1,717,381	42	870,158
Machining centers	37	9,299,241	20	4,843,346	18	11,051,498	24	2,384,335
Station type machines	15	1,103,920	33	6,066,181	14	3,259,172	6	777,170
Other metal cutting machines	215	6,841,529	233	6,192,397	248	5,153,383	296	10,893,775
Punching & shearing machines	117	3,929,919	120	2,900,772	80	4,425,479	124	6,474,376
Bending & forming machines	122	4,852,226	116	4,024,662	98	3,452,373	127	5,041,561
Presses	169	9,193,318	119	7,690,788	116	5,196,177	137	8,113,963
Forging machines	52	3,892,191	39	4,376,386	21	4,523,977	13	1,701,062
Other metal forming machines	171	6,665,077	315	11,517,430	316	12,529,463	349	15,226,551
MACHINE TOOL TOTAL	6,024	77,645,996	5,890	86,140,858	7,220	85,955,642	6,904	93,603,119

PRODUCT TYPES	1991 TOTAL		DECEMBER 1990		1990 TOTAL		% CHANGE NOV'91-DEC'91	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	67,625	$179,286,028	5,617	$9,821,987	61,537	$154,141,660	-8.2%	41.3%
Boring machines	178	14,919,267	7	370,692	154	15,807,631	240.0%	222.6%
Drilling machines	1,242	23,386,310	44	929,408	974	17,997,565	1.1%	-17.4%
Gear cutting machines	305	66,219,108	24	6,435,136	256	58,880,541	36.1%	58.2%
Grinding machines	3,527	107,709,716	391	11,084,336	4,026	130,596,464	-6.6%	17.1%
NC horizontal lathes	311	36,023,778	29	3,450,520	409	43,897,496	-20.0%	-52.6%
NC vertical lathes	31	2,507,742	8	1,097,280	72	13,149,920	0.0%	-42.0%
Non-NC lathes	541	15,767,880	89	1,217,150	790	16,879,868	-9.3%	-3.4%
Milling machines	575	34,340,652	37	987,344	443	34,996,260	5.0%	-49.3%
Machining centers	297	58,897,431	21	3,371,119	388	56,616,369	33.3%	-78.4%
Station type machines	105	48,593,268	11	9,495,480	82	51,075,333	-57.1%	-76.2%
Other metal cutting machines	3,174	88,161,169	284	6,641,302	4,077	78,434,452	19.4%	111.4%
Punching & shearing machines	1,357	54,513,277	179	5,251,720	1,569	65,370,582	55.0%	46.3%
Bending & forming machines	1,630	67,965,928	177	8,308,327	1,859	73,708,356	29.6%	46.0%
Presses	1,857	86,697,453	132	9,144,740	2,032	99,164,973	18.1%	56.2%
Forging machines	362	54,736,967	25	7,031,889	360	51,209,594	-38.1%	-62.4%
Other metal forming machines	2,944	136,413,550	241	7,635,732	3,053	100,563,494	10.4%	21.5%
MACHINE TOOL TOTAL	86,061	1,076,139,524	7,316	92,274,162	82,081	1,062,490,558	-4.4%	8.9%

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE DEC'90–DEC'91		% CHANGE 1990–1991	
	Units	Value	Units	Value
Used & rebuilt & under $3,025	-5.5%	99.0%	9.9%	16.3%
Boring machines	142.9%	356.9%	15.6%	-5.6%
Drilling machines	106.8%	112.6%	27.5%	29.9%
Gear cutting machines	20.8%	-9.5%	19.1%	12.5%
Grinding machines	-31.2%	-12.2%	-12.4%	-17.5%
NC horizontal lathes	-31.0%	-36.1%	-24.0%	-17.9%
NC vertical lathes	-87.5%	-91.5%	-56.9%	-80.9%
Non-NC lathes	-44.9%	-13.6%	-31.5%	-6.6%
Milling machines	13.5%	-11.9%	29.8%	-1.9%
Machining centers	14.3%	-29.3%	-23.5%	4.0%
Station type machines	-45.5%	-91.8%	28.0%	-4.9%
Other metal cutting machines	4.2%	64.0%	-22.1%	12.4%
Punching & shearing machines	-30.7%	23.3%	-13.5%	-16.6%
Bending & forming machines	-28.2%	-39.3%	-12.3%	-7.8%
Presses	3.8%	-11.3%	-8.6%	-12.6%
Forging machines	-48.0%	-75.8%	0.6%	6.9%
Other metal forming machines	44.8%	99.4%	-3.6%	35.6%
MACHINE TOOL TOTAL	-5.6%	1.4%	4.8%	1.3%

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	71,667	$13,094,991	94,612	$15,968,463	63,827	$14,630,134	91,842	$16,332,717
Boring machines	75	3,212,626	65	3,295,233	55	6,672,018	47	5,623,400
Drilling machines	136	5,284,960	72	2,124,951	105	5,761,640	107	2,964,231
Gear cutting machines	34	7,247,022	30	2,608,872	12	3,256,264	23	6,619,154
Grinding machines	662	23,141,603	464	17,045,322	540	20,820,588	509	26,824,722
NC horizontal lathes	158	17,509,455	251	25,854,656	244	28,306,454	280	25,531,297
NC vertical lathes	9	1,367,349	15	2,253,656	9	2,973,011	15	3,573,928
Non-NC lathes	722	8,815,703	340	4,755,176	312	7,055,881	317	4,534,633
Milling machines	449	12,771,541	257	2,795,380	250	4,970,541	330	9,449,803
Machining centers	293	33,595,255	186	20,649,396	167	23,632,084	179	23,719,564
Station type machines	14	4,189,738	4	1,830,253	5	1,401,630	29	39,822,188
Other metal cutting machines	448	11,368,644	217	12,635,073	254	16,773,980	329	18,589,257
Punching & shearing machines	67	5,697,766	59	1,638,364	89	5,334,266	100	4,429,933
Bending & forming machines	189	6,557,096	183	8,695,550	147	8,228,937	122	3,949,688
Presses	72	16,236,188	317	9,033,944	163	8,995,976	85	51,444,817
Forging machines	59	5,028,586	47	2,528,010	51	5,954,214	44	6,285,995
Other metal forming machines	286	13,786,011	230	15,783,509	277	12,006,374	243	13,702,533
MACHINE TOOL TOTAL	75,340	188,904,534	97,349	149,495,808	66,507	176,773,992	94,601	263,397,860

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	61,461	$13,487,177	60,137	$11,892,444	55,148	$13,352,862	74,318	$11,870,677
Boring machines	53	7,001,111	55	3,314,472	51	3,685,439	45	1,801,332
Drilling machines	79	6,287,879	146	3,825,684	73	2,839,334	86	2,335,487
Gear cutting machines	91	4,865,147	57	3,552,435	32	3,543,870	19	3,725,410
Grinding machines	515	14,511,571	382	13,752,180	468	18,779,695	386	21,596,437
NC horizontal lathes	197	20,692,781	196	20,231,721	199	18,351,920	227	23,514,958
NC vertical lathes	2	1,159,139	6	908,254	10	2,266,809	13	3,920,266
Non-NC lathes	442	10,258,079	402	8,630,438	555	6,940,660	308	4,206,757
Milling machines	226	5,441,990	328	6,999,359	374	6,736,063	292	4,643,995
Machining centers	194	22,775,311	221	26,931,681	249	23,528,172	203	25,034,478
Station type machines	21	31,098,633	18	37,041,344	8	8,078,447	17	17,487,258
Other metal cutting machines	252	18,837,312	314	9,426,321	298	12,496,402	289	12,912,572
Punching & shearing machines	109	4,442,498	74	5,337,144	106	5,805,391	84	4,603,173
Bending & forming machines	124	7,388,462	129	5,919,854	156	7,413,619	131	4,386,000
Presses	301	9,718,955	131	5,872,448	102	5,129,418	307	6,092,772
Forging machines	152	6,220,779	69	5,986,386	35	1,841,002	87	6,995,815
Other metal forming machines	172	10,036,703	180	9,024,713	194	9,644,967	131	9,510,828
MACHINE TOOL TOTAL	64,391	194,223,527	62,845	178,646,878	58,058	150,434,070	76,943	164,638,215

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991		OCTOBER 1991		NOVEMBER 1991		DECEMBER 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	68,503	$12,925,407	94,403	$14,087,197	111,175	$14,918,645	87,700	$13,131,141
Boring machines	64	4,555,634	66	6,256,498	31	5,254,256	31	4,016,207
Drilling machines	61	2,902,483	55	2,816,039	93	1,899,550	50	1,853,712
Gear cutting machines	11	1,036,962	28	4,458,812	16	1,227,250	11	1,092,631
Grinding machines	413	25,438,841	432	18,082,688	406	18,842,149	449	20,212,495
NC horizontal lathes	141	15,597,511	169	19,056,907	206	18,777,045	193	20,332,252
NC vertical lathes	11	3,650,775	10	4,071,036	5	1,848,978	11	2,994,542
Non-NC lathes	299	5,939,533	427	6,345,190	269	3,372,968	352	8,374,323
Milling machines	196	2,605,184	283	3,472,283	170	3,332,917	126	8,284,052
Machining centers	261	32,637,026	253	27,719,237	217	23,682,408	213	28,713,125
Station type machines	12	12,689,422	19	19,071,415	17	18,596,910	38	26,572,121
Other metal cutting machines	257	11,639,564	258	13,628,425	343	16,455,159	277	11,581,840
Punching & shearing machines	75	5,842,087	85	6,594,446	69	4,166,222	68	4,004,218
Bending & forming machines	121	6,484,435	116	4,516,959	131	6,756,793	158	10,940,152
Presses	601	4,173,370	307	9,947,795	95	4,932,849	399	10,040,316
Forging machines	19	5,358,263	62	6,036,144	58	2,484,812	81	2,175,197
Other metal forming machines	123	5,429,895	157	5,966,043	383	6,109,370	197	11,210,788
MACHINE TOOL TOTAL	71,168	158,906,392	97,130	172,127,114	113,684	152,658,291	90,354	185,529,112

PRODUCT TYPES	1991 TOTAL		DECEMBER 1990		1990 TOTAL		% CHANGE NOV'91-DEC'91	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	934,793	$165,691,855	81,837	$15,246,777	972,443	$157,204,064	-21.1%	-12.0%
Boring machines	638	54,688,226	54	4,190,094	662	44,547,286	0.0%	-23.6%
Drilling machines	1,063	40,895,960	115	1,602,810	1,442	43,700,697	-46.2%	-2.4%
Gear cutting machines	364	43,233,829	53	6,613,058	526	56,794,974	-31.3%	-11.0%
Grinding machines	5,626	239,048,291	626	34,357,642	8,449	300,118,744	10.6%	7.3%
NC horizontal lathes	2,461	253,756,957	114	13,105,549	2,941	289,649,142	-6.3%	8.3%
NC vertical lathes	116	30,987,743	4	419,200	175	27,887,284	120.0%	62.0%
Non-NC lathes	4,745	79,229,341	724	12,100,861	8,388	118,630,185	30.9%	148.3%
Milling machines	3,231	71,503,108	357	3,618,186	5,312	82,032,330	-25.9%	148.6%
Machining centers	2,636	312,617,737	214	29,511,442	3,021	399,901,806	-1.8%	21.2%
Station type machines	202	217,879,359	11	2,388,079	172	82,841,076	123.5%	42.9%
Other metal cutting machines	3,536	166,344,549	352	14,550,273	4,795	194,400,896	-19.2%	-29.6%
Punching & shearing machines	985	57,895,508	81	3,226,303	1,643	76,484,396	-1.4%	-3.9%
Bending & forming machines	1,707	81,237,545	135	6,615,138	2,169	93,971,772	20.6%	61.9%
Presses	2,880	141,618,848	171	19,020,684	3,527	124,007,535	320.0%	103.5%
Forging machines	764	56,895,203	80	7,190,174	988	64,475,469	39.7%	-12.5%
Other metal forming machines	2,573	122,211,734	267	14,347,226	2,801	148,435,400	-48.6%	83.5%
MACHINE TOOL TOTAL	968,370	2,135,735,793	85,195	188,103,496	1,019,454	2,305,083,056	-20.5%	21.5%

1991 U.S. IMPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE DEC'90–DEC'91		% CHANGE 1990–1991	
	Units	Value	Units	Value
Used & rebuilt & under $3,025	7.2%	-13.9%	-3.9%	5.4%
Boring machines	-42.6%	-4.1%	-3.6%	22.8%
Drilling machines	-56.5%	15.7%	-26.3%	-6.4%
Gear cutting machines	-79.2%	-83.5%	-30.8%	-23.9%
Grinding machines	-28.3%	-41.2%	-33.4%	-20.3%
NC horizontal lathes	69.3%	55.1%	-16.3%	-12.4%
NC vertical lathes	175.0%	614.3%	-33.7%	11.1%
Non–NC lathes	-51.4%	-30.8%	-43.4%	-33.2%
Milling machines	-64.7%	129.0%	-38.2%	-12.8%
Machining centers	-0.5%	-2.7%	-12.7%	-21.8%
Station type machines	245.5%	1012.7%	17.4%	163.0%
Other metal cutting machines	-21.3%	-20.4%	-26.3%	-14.4%
Punching & shearing machines	-16.0%	24.1%	-40.0%	-24.3%
Bending & forming machines	17.0%	65.4%	-21.3%	-13.6%
Presses	133.3%	-47.2%	-18.3%	14.2%
Forging machines	1.3%	-69.7%	-22.7%	-11.8%
Other metal forming machines	-26.2%	-21.9%	-8.1%	-17.7%
MACHINE TOOL TOTAL	6.1%	-1.4%	-5.0%	-7.3%

A3179-3

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

RELEASED: March 4, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	138	9976	11	1127
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	72	12190	2	248
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	20	12652	0	0
100035	Horizontal machining centers, ATC	45	16054	0	0
100045	Machining centers, n.e.c.	160	18002	22	2137
200010	Unit construction mach. (single station transfer), NC	7	3404	0	0
200090	Unit construction mach. (single station transfer), non-NC	13	3090	0	0
300010	Multi-station transfer machines, NC	8	14559	0	0
300090	Multi-station transfer machines, non-NC	73	27284	6	777
8458110010	Horizontal lathes, multiple spindle, NC	45	6033	4	474
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	199	17451	11	973
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	36	5892	5	759
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	31	6647	0	0
190030	Horizontal engine or toolroom lathes, non-NC	38	593	1	5
190050	Automatic bar and/or chucking mach., single spindle, non-NC	19	309	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	51	3382	2	116
190090	Horizontal lathes, n.e.c., non-NC	325	7385	34	422
911060	Vertical turret lathes, multiple spindle, NC	1	45	0	0
911080	Vertical turret lathes, n.e.c., NC	3	644	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	27	1818	1	93
991050	Vertical turret lathes, non-NC	30	1069	2	62
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	78	3030	10	446
8459100000	Way-type unit head machines	4	257	0	0
210080	Other drilling machines, NC	180	13852	12	1007
290040	Drilling machines, multiple spindle, non-NC	4	474	1	94
290050	Drilling machines, radial, non-NC	39	1291	8	351
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	30	989	2	7
290090	Drilling machines, n.e.c., non-NC	989	6780	68	518
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	2	1280	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	7	4062	0	0
310070	Boring-milling machines, n.e.c., NC	25	1836	2	264
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	253	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	18	664	3	307
400040	Boring machines, vertical, NC	7	670	0	0
400050	Boring machines, vertical, non-NC	33	1595	1	13
400070	Boring machines, n.e.c., NC	11	1234	10	1086
400080	Boring machines, n.e.c., non-NC	71	3325	1	23
510080	Milling machines, knee type, NC	27	1919	3	145
590030	Milling machines, knee type, non-NC	106	3865	11	313
610080	Milling machines, excluding knee type, n.e.c., NC	66	18420	1	125
690050	Milling machines, profile, dup., or die sinking, non-NC	5	34	0	0
690070	Milling machines, bed type, non-NC	2	69	0	0
690090	Milling machines, n.e.c., non-NC	369	10034	27	287
700020	Threading or tapping machines, n.e.c., NC	77	2798	18	438
700080	Threading or tapping machines, n.e.c., non-NC	274	8999	22	675
8460110080	Flat surface grinding machines, NC	82	5302	13	653
190010	Flat surface grinding mach., recip.-table type, non-NC	64	881	1	10
190050	Flat surface grinding machines, n.e.c., non-NC	36	4742	2	164
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	113	36736	5	2359
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	34	5144	1	50
290030	Grinding machines, internal cylindrical, non-NC	44	5307	12	1650
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	360	12232	18	1375
310080	Sharpening machines (tool & cutter grinding), NC	31	2120	4	133
390050	Sharpening machines (tool & cutter grinding), non-NC	873	8213	63	484
400060	Honing or lapping machines, NC	13	974	0	0
400080	Honing or lapping machines, non-NC	484	7119	14	176
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	13	1704	3	488
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1380	17237	133	2191
8461100060	Planing machines, NC	2	219	0	0
100080	Planing machines, non-NC	207	6467	42	356
200010	Shaping or slotting machines, NC	17	1633	0	0
200090	Shaping or slotting machines, non-NC	29	756	0	0
300060	Broaching machines, NC	12	2732	3	1536
300080	Broaching machines, non-NC	43	4856	2	2239
401050	Gear hobbers	94	7608	20	1015
401070	Gear shapers	13	1445	0	0
401090	Gear cutting machines, n.e.c.	101	47957	7	4736
405060	Gear grinding or finishing machines	97	9209	2	70
500050	Sawing or cutting-off machines, NC	114	5814	9	388
500090	Sawing or cutting-off machines, non-NC	1358	17212	103	1671
9000000001	Metal cutting machine tools, n.e.c.	903	26700	86	2463
9800000001	Used or rebuilt machine tools	6816	76636	429	6594
9900000001	Machine tools valued at less than $3,025	42191	24624	3457	2025
	Cutting Total			4730	46118
	Y-T-D Cutting Total	59293	597786		
	NC Y-T-D Cutting Total*	1773	240853		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	489
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	13	1474
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	1	264
8458110010	0	0	0	0	0	0	0	0	2	287
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	2	328
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	63
190090	0	0	0	0	0	0	2	26	1	47
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	94
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	2	7
290090	0	0	0	0	0	0	0	0	47	256
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	2	303
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	13
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	2	116
590030	0	0	0	0	0	0	0	0	3	84
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	13
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	100	0	0	6	40
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	10
190050	0	0	0	0	0	0	0	0	1	64
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	2	83	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	14	134
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	19	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	1	47
900080	3	21	0	0	0	0	0	0	16	145
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	30	107	1	75
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	1970
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	179
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	5	288
500090	4	65	0	0	5	84	0	0	10	127
9000000001	1	14	0	0	0	0	2	551	31	558
9800000001	4	16	0	0	1	5	0	0	81	231
9900000001	111	77	0	0	30	32	11	7	139	150
Month Tot	123	193	1	19	38	221	47	773	389	7856
Y-T-D Tot	1072	4254	116	830	1014	10293	1403	11766	5718	90498
NC YTD Tot*	9	1285	0	0	48	5518	30	4252	350	47592

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	2	163	0	0	0	0
8457100015	0	0	0	0	2	248	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	85	2	191	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	1	53	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	7	203	0	0	1	27
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	7	331	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	1	3
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	5	375	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	2	378	1	843	0	0	0	0
290010	0	0	0	0	1	50	0	0	0	0
290030	2	712	0	0	0	0	1	173	0	0
290050	0	0	0	0	3	109	0	0	0	0
310080	0	0	4	133	0	0	0	0	0	0
390050	0	0	0	0	8	46	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	25	7	82	26	283	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	19	1	30	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	1	1181	1	675	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	15	0	0	10	140	0	0	1	22
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	0	0	1	4	10	101	92	849	0	0
9900000001	11	10	104	33	36	23	1	3	0	0
Month Tot	20	1197	116	1965	96	3044	121	1361	3	52
Y-T-D Tot	763	38030	1500	18526	3394	58047	955	13685	102	4829
NC YTD Tot*	86	27101	60	7850	232	31866	13	2466	4	749

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	80
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	5	514
8458110010	0	0	0	0	0	0	0	0	1	86
110030	0	0	6	466	0	0	0	0	1	92
110050	0	0	0	0	0	0	0	0	2	244
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	5
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	5	54
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	93
991050	0	0	0	0	0	0	0	0	2	62
995090	0	0	0	0	0	0	0	0	10	446
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	120
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	2	12	0	0	0	0	16	191
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	2	264
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	4
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	23
510080	0	0	0	0	0	0	0	0	1	30
590030	0	0	0	0	1	18	0	0	3	111
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	5	53	0	0	0	0	5	42
700020	14	350	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	2	7
8460110080	0	0	0	0	0	0	1	39	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	540	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	9	965
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	16	152	0	0	0	0	25	152
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	2	441
900080	0	0	11	249	3	36	0	0	17	215
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	23	0	0	0	0	1	13
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	3	1536
300080	0	0	0	0	1	269	0	0	0	0
401050	9	472	0	0	9	483	0	0	2	61
401070	0	0	0	0	0	0	0	0	0	0
401090	1	1160	1	58	2	1483	0	0	0	0
405060	0	0	0	0	2	70	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	14	211	1	18	0	0
9000000001	2	655	5	28	2	24	0	0	2	13
9800000001	5	47	20	252	2	3	2	9	84	1621
9900000001	17	28	485	153	275	366	6	9	390	249
Month Tot	48	2712	553	1986	311	2963	10	75	597	7733
Y-T-D Tot	955	15794	5951	51142	3633	48634	304	3064	10913	62467
NC YTD Tot*	40	5222	132	14797	69	12212	7	226	224	23338

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	6	412	0	0	0	0	1	63	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	3	250	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	578
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	19
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	24
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	3	369	2	30	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	38	0	0	0	0
290050	0	0	0	0	1	60	0	0	4	130
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	4	42	3	33
900060	0	0	0	0	0	0	0	0	0	0
900080	1	6	2	702	0	0	0	0	12	116
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	7	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	4	100	0	0
500090	1	8	1	10	9	160	0	0	2	30
9000000001	10	56	2	13	1	13	0	0	0	0
9800000001	11	15	0	0	1	3	1	3	1	4
9900000001	22	18	151	77	82	52	25	23	306	44
Month Tot	51	515	160	1059	98	695	37	262	331	978
Y-T-D Tot	663	4794	3269	8886	420	4988	844	5396	1570	11078
NC YTD Tot*	17	2320	27	2585	8	841	24	2595	28	3837

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	3	182	0	0	0	0	2	150
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	1	101
110030	0	0	1	139	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	1	187
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	26	296
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	80
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	2	55
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	10	1086
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	26	0	0	0	0	2	49
610080	0	0	0	0	0	0	0	0	1	125
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	37	0	0	13	109	2	34
700020	0	0	0	0	0	0	0	0	4	88
700080	0	0	0	0	0	0	1	110	6	19
8460110080	0	0	5	165	0	0	0	0	2	74
190010	0	0	0	0	0	0	0	0	0	0
190050	1	100	0	0	0	0	0	0	0	0
210080	0	0	1	598	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	6	645
290050	0	0	1	111	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	4	76	0	0	0	0	0	0	2	7
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	4	35	0	0	18	175	12	101
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	2	19	0	0	2	16	2	47
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	10	168	0	0	0	0	34	614
9000000001	0	0	9	172	0	0	7	118	12	249
9800000001	15	2893	24	177	0	0	11	137	63	224
9900000001	191	47	463	80	0	0	194	83	407	461
Month Tot	211	3116	525	1909	0	0	246	747	598	4690
Y-T-D Tot	1049	5326	4414	28860	185	19326	1468	10977	7617	58296
NC YTD Tot*	18	1106	146	12726	5	456	19	1948	176	19965

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

RELEASED: March 4, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	367	7076	85	541
8462100030	Headers and upsetters, including cold headers	60	23669	5	753
100050	Forging or die stamping machines, and hammers, n.e.c.	302	31068	8	948
210080	Bending, folding, straight. or flat. mach., incl presses, NC	265	24808	26	1604
290030	Press brakes, non-NC	122	3598	25	397
290040	Bending rolls, non-NC	54	1832	3	528
290050	Bending, folding, straight., or flat., n.e.c., non-NC	1189	37728	73	2513
310080	Shearing machines, NC	96	7614	3	150
390050	Shearing machines, non-NC	354	10364	31	1585
410080	Punching or notching mach., incl. comb. punch & shear, NC	132	18489	10	2401
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	775	18046	80	2338
910060	Hydraulic presses, NC	26	964	1	8
910090	Hydraulic presses, non-NC	593	19171	75	1796
990030	Presses, n.e.c., NC	193	11570	4	307
990040	Presses, mechanical, non-NC	145	14271	9	2774
990060	Presses, n.e.c., non-NC	900	40722	48	3228
8463100080	Draw benches for bars, tubes, profiles, wire or the like	234	7295	16	228
200080	Thread rolling machines	57	1749	6	139
300080	Machines for working wire	751	22544	51	2185
900080	Metal forming machine tools, n.e.c.	1535	97749	191	12134
9800000002	Used or rebuilt machine tools	3207	65970	172	10011
9900000002	Machine tools valued at less than $3,025	15411	12056	1252	917
	Forming Total			2174	47485
	Y-T-D Forming Total	26768	478353		
	NC Y-T-D Forming Total	712	63445		
	Cutting and Forming Totals:				
	Monthly Total			6904	93603
	Y-T-D Total	86061	1076140		
	NC Y-T-D Total*	2485	304298		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	675905	0	56871
2000000000	Parts for working rubber or plastics - heading 8477	0	255532	0	19628
2710003070	Quenching or cutting oils	0	6874	0	745
8428900010	Industrial robots for lifting, handling, loading or unload	710	9564	134	2259
8431390090	Parts industrial robots, handling and loading - heading 8428	0	97270	0	9746
8456100000	Laser, light or photon beam for working any material	565	34149	31	1001
200000	Ultrasonic process for working any material	70	3970	12	1684
8477106010	Injection molding mach., for rubber or oth. thermosetting	251	19596	5	349
106070	Injection molding machines, for thermoplastics	533	56080	38	2902
200005	Extruders; rubber or other thermosetting mat., single screw	126	9003	20	1623
200015	Extruders; rubber or thermosetting, other incl. multi. screw	130	11071	9	635
200030	Extruders; thermoplastics, single screw	496	28575	47	4020
200060	Extruders; thermoplastics, other incl. multi. screw	99	9268	18	1051
300000	Blow molding machines	599	37077	53	4727
400000	Vacuum-molding and other thermoforming machines	1237	9535	173	808
510010	Machines for molding or retreading pneumatic tires	2630	18241	68	1226
510090	Machines for molding or otherwise forming inner tubes	670	13093	37	835
590000	Machines for molding or otherwise forming n.e.c.	1850	32223	274	3698
800000	Machines for working rubber or plastics n.e.c.	4595	89459	279	12029
8479899040	Industrial robots, n.e.c.	5728	69263	533	6001
908040	Industrial robot parts	0	37355	0	5228
8537100030	Numerical controls for controlling machine tools	1597	22996	151	2098
9024100000	Machines and appliances for testing metals	0	68988	0	5499
9031100000	Machines for balancing mechanical parts	0	30800	0	3438
300000	Profile projectors	0	5223	0	422
9032810040	Industrial process control instr., hydraulic or pneumatic	841922	50668	51710	3458

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
*** "NC Y-T-D Total" does not include code 8456300000.**
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	1	94
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	1	32	0	0	1	24	5	242	3	668
290030	0	0	0	0	0	0	0	0	5	75
290040	0	0	0	0	0	0	0	0	1	11
290050	0	0	0	0	16	560	0	0	15	581
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	3	63
410080	0	0	0	0	0	0	0	0	3	870
490050	0	0	0	0	0	0	0	0	6	166
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	1	24	0	0
990030	0	0	0	0	1	62	0	0	0	0
990040	0	0	0	0	0	0	0	0	3	75
990060	0	0	0	0	0	0	0	0	3	22
8463100080	0	0	0	0	0	0	0	0	1	8
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	3	366
900080	0	0	0	0	0	0	0	0	5	59
9800000002	1	13	0	0	1	12	0	0	29	497
9900000002	40	36	3	3	19	17	0	0	124	110
Month Tot	42	80	3	3	38	675	6	266	205	3665
Y-T-D Tot	556	9666	23	434	417	5846	243	8148	3264	44056
NC YTD Tot	5	241	3	99	26	829	24	1923	85	10277
C&F Month	165	272	4	21	76	896	53	1040	594	11521
C&F Y-T-D	1628	13920	139	1264	1431	16140	1646	19914	8982	134554
C&F NC YTD*	14	1527	3	99	74	6347	54	6175	435	57869

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	872	0	181	0	950	0	2657	0	12884
2000000000	0	81	0	62	0	404	0	1740	0	4638
2710003070	0	4	0	0	0	0	0	0	0	48
8428900010	0	0	0	0	2	4	11	21	42	418
8431390090	0	50	0	0	0	154	0	56	0	791
8456100000	0	0	0	0	2	29	0	0	19	454
200000	0	0	0	0	0	0	0	0	2	1456
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	1	100	0	0	0	0	6	377
200005	0	0	0	0	0	0	13	318	3	290
200015	0	0	0	0	0	0	0	0	9	635
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	2	753
400000	0	0	0	0	0	0	3	134	2	108
510010	2	24	0	0	0	0	12	309	1	41
510090	4	6	0	0	0	0	0	0	0	0
590000	2	33	0	0	5	72	1	26	1	23
800000	1	19	6	98	1	42	2	30	48	4190
8479899040	26	158	0	0	7	43	0	0	366	2183
908040	0	28	0	18	0	9	0	14	0	3674
8537100030	0	0	1	9	2	33	0	0	13	133
9024100000	0	8	0	14	0	52	0	35	0	671
9031100000	0	53	0	0	0	0	0	12	0	390
1300000	0	0	0	0	0	0	0	0	0	68
9032810040	2462	152	10	11	206	22	135	18	1248	209

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	4	49	62	118	1	6	0	0
8462100030	0	0	0	0	4	712	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	1	23	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	68	2	61	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	1	160	0	0	0	0	0	0
490050	0	0	2	207	27	274	0	0	0	0
910060	0	0	1	8	0	0	0	0	0	0
910090	1	7	0	0	3	33	0	0	17	560
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	1	631	0	0	0	0	0	0
990060	0	0	0	0	5	1100	0	0	0	0
8463100080	0	0	0	0	9	82	0	0	0	0
200080	0	0	6	139	0	0	0	0	0	0
300080	0	0	0	0	2	20	0	0	0	0
900080	5	2813	1	13	2	35	9	52	0	0
9800000002	6	6500	1	76	0	0	0	0	0	0
9900000002	1	3	19	18	81	75	7	6	0	0
Month Tot	14	9346	39	1370	197	2511	17	65	17	560
Y-T-D Tot	401	32673	975	23279	1976	42123	191	1136	184	6004
NC YTD Tot	28	2588	37	2922	37	4064	2	170	1	23
C&F Month	34	10542	155	3335	293	5555	138	1425	20	612
C&F Y-T-D	1164	70703	2475	41805	5370	100169	1146	14821	286	10833
C&F NC YTD*	114	29689	97	10772	269	35930	15	2635	5	772

Other Manufacturing Technology

1000000000	0	1333	0	1126	0	5219	0	757	0	81
2000000000	0	49	0	675	0	886	0	91	0	90
2710003070	0	0	0	40	0	0	0	0	0	124
8428900010	0	0	17	165	1	4	0	0	0	0
8431390090	0	205	0	47	0	18	0	81	0	459
8456100000	0	0	0	0	2	94	0	0	0	0
200000	0	0	1	14	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	7	559	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	1	1816	0	0	2	42	0	0	0	0
200060	0	0	0	0	1	65	0	0	0	0
300000	0	0	0	0	9	170	0	0	0	0
400000	0	0	35	13	0	0	1	62	1	53
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	1	592	0	0	0	0
590000	10	163	0	0	3	167	0	0	0	0
800000	8	626	0	0	3	804	0	0	0	0
8479899040	0	0	9	420	14	1433	0	0	0	0
908040	0	129	0	15	0	368	0	0	0	0
8537100030	4	134	11	127	8	117	0	0	0	0
9024100000	0	681	0	68	0	245	0	0	0	0
9031100000	0	10	0	0	0	12	0	831	0	0
300000	0	0	0	0	0	24	0	0	0	0
9032810040	0	0	3624	194	7513	494	1118	40	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	25	1	15	0	0	3	38
8462100030	0	0	0	0	0	0	0	0	1	42
100050	2	108	0	0	0	0	0	0	2	126
210080	0	0	1	23	1	28	4	158	3	115
290030	0	0	0	0	0	0	0	0	16	133
290040	0	0	0	0	0	0	0	0	1	305
290050	0	0	6	155	4	115	0	0	13	603
310080	0	0	0	0	0	0	0	0	2	113
390050	0	0	0	0	5	76	0	0	8	1085
410080	0	0	0	0	1	75	0	0	2	586
490050	2	133	1	154	15	184	0	0	9	110
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	6	205	0	0	0	0	35	704
990030	1	213	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	3	1385
990060	0	0	0	0	6	192	0	0	16	428
8463100080	0	0	1	17	0	0	0	0	2	48
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	25	6	1145	0	0	6	315
900080	3	133	79	2823	35	3499	1	129	7	100
9800000002	1	14	1	167	12	240	0	0	69	1245
9900000002	0	0	220	75	32	27	11	10	292	181
Month Tot	9	601	319	3670	118	5596	16	298	490	7660
Y-T-D Tot	601	10631	1937	43300	1108	44573	210	1721	5525	62399
NC YTD Tot	8	877	54	5577	44	4980	5	187	87	8719
C&F Month	57	3313	872	5656	429	8558	26	373	1087	15393
C&F Y-T-D	1556	26425	7888	94442	4741	93207	514	4786	16438	124866
C&F NC YTD*	48	6099	186	20374	113	17191	12	414	311	32058

Other Manufacturing Technology

1000000000	0	927	0	4998	0	1792	0	350	0	3495
2000000000	0	533	0	1377	0	584	0	76	0	1449
2710003070	0	0	0	16	0	0	0	13	0	12
8428900010	0	0	7	57	44	1084	0	0	7	473
8431390090	0	3	0	290	0	170	0	0	0	495
8456100000	0	0	3	66	0	0	0	0	1	80
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	4	299
106070	0	0	2	93	2	261	0	0	8	655
200005	0	0	0	0	0	0	0	0	3	990
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	1	21	1	31	0	0	22	539
200060	0	0	0	0	0	0	0	0	6	156
300000	4	568	1	13	0	0	0	0	5	1312
400000	0	0	9	22	0	0	0	0	9	241
510010	0	0	0	0	0	0	0	0	14	434
510090	0	0	1	9	0	0	0	0	1	30
590000	2	28	6	82	0	0	0	0	110	888
800000	8	425	16	153	12	1051	17	61	60	985
8479899040	1	16	1	20	14	404	0	0	4	533
908040	0	0	0	336	0	4	0	0	0	3
8537100030	4	44	3	35	13	166	0	0	2	35
9024100000	0	197	0	1414	0	570	0	37	0	298
9031100000	0	0	0	31	0	1597	0	0	0	123
300000	0	0	0	0	0	217	0	0	0	0
9032810040	553	78	666	59	334	36	693	48	876	154

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	33	3	78	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	64	0	0	3	49	0	0
310080	0	0	1	38	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	2	673
490050	0	0	0	0	0	0	0	0	1	8
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	10	763	1	18	0	0	0	0	1	7
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	15	0	0
900080	4	28	0	0	0	0	0	0	6	1272
9800000002	0	0	4	4	4	89	1	14	0	0
9900000002	0	0	61	21	4	3	24	20	7	6
Month Tot	16	824	72	223	8	92	29	97	17	1967
Y-T-D Tot	855	9946	572	6210	169	4837	382	2787	311	11205
NC YTD Tot	20	2132	18	1219	6	283	3	181	49	4031
C&F Month	67	1339	232	1282	106	787	66	359	348	2945
C&F Y-T-D	1518	14740	3841	15096	589	9825	1226	8184	1881	22283
C&F NC YTD*	37	4452	45	3804	14	1124	27	2776	77	7868

Other Manufacturing Technology

1000000000	0	441	0	1056	0	486	0	774	0	1725
2000000000	0	836	0	442	0	71	0	125	0	174
2710003070	0	6	0	3	0	0	0	14	0	0
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	217	0	54	0	41	0	46	0	243
8456100000	1	110	0	0	0	0	0	0	2	150
200000	0	0	0	0	0	0	0	0	0	0
8477106010	1	50	0	0	0	0	0	0	0	0
106070	1	110	2	211	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	1	242	0	0	0	0
400000	0	0	92	121	0	0	0	0	0	0
510010	1	30	1	10	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	2	19	0	0	21	15	0	0	81	1372
800000	2	36	4	320	3	911	0	0	3	54
8479899040	1	15	21	155	5	29	5	29	0	0
908040	0	132	0	16	0	0	0	199	0	0
8537100030	6	56	0	0	2	20	1	8	4	57
9024100000	0	45	0	18	0	56	0	37	0	119
9031100000	0	0	0	19	0	0	0	28	0	13
300000	0	0	0	7	0	0	0	6	0	31
9032810040	4679	309	994	77	2192	120	100	8	1532	102

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	54	0	0	2	10	3	20
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	641	1	36	0	0	0	0	1	36
210080	0	0	0	0	0	0	1	32	5	258
290030	0	0	0	0	0	0	2	100	2	89
290040	0	0	0	0	0	0	0	0	1	212
290050	0	0	5	239	0	0	0	0	4	18
310080	0	0	0	0	0	0	0	0	0	0
390050	1	10	0	0	2	27	0	0	12	324
410080	0	0	1	36	0	0	0	0	0	0
490050	0	0	1	37	4	267	0	0	12	796
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	10	224	0	0	0	0	2	39
990030	0	0	0	0	0	0	0	0	2	32
990040	0	0	0	0	0	0	0	0	2	683
990060	0	0	1	334	0	0	0	0	5	363
8463100080	0	0	0	0	0	0	0	0	3	73
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	2	74	29	225
900080	1	48	0	0	0	0	0	0	33	1128
9800000002	2	39	7	180	0	0	4	125	29	797
9900000002	13	17	88	81	0	0	0	0	206	209
Month Tot	19	754	115	1222	6	294	11	341	351	5303
Y-T-D Tot	492	10475	1708	29575	10	475	444	3299	4214	63555
NC YTD Tot	15	1447	56	2432	3	155	6	274	90	7814
C&F Month	230	3871	640	3131	6	294	257	1089	949	9994
C&F Y-T-D	1541	15800	6122	58435	195	19801	1912	14276	11831	121851
C&F NC YTD*	33	2553	202	15158	8	611	25	2222	266	27779

Other Manufacturing Technology

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	627	0	2996	0	10	0	1219	0	9916
2000000000	0	458	0	1188	0	0	0	445	0	3156
2710003070	0	4	0	0	0	88	0	63	0	312
8428900010	0	0	3	23	0	0	0	0	0	0
8431390090	0	1542	0	320	0	20	0	225	0	4221
8456100000	0	0	0	0	0	0	0	0	1	18
200000	9	213	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	1	37	0	0	0	0	0	0	8	499
200005	0	0	0	0	0	0	0	0	1	26
200015	0	0	0	0	0	0	0	0	0	0
200030	2	62	1	204	0	0	2	285	15	1021
200060	0	0	0	0	0	0	0	0	11	830
300000	0	0	15	278	0	0	0	0	16	1392
400000	0	0	0	0	0	0	0	0	21	55
510010	0	0	0	0	0	0	22	52	15	325
510090	0	0	0	0	0	0	0	0	30	198
590000	0	0	2	605	0	0	0	0	28	204
800000	0	0	10	150	0	0	4	565	71	1509
8479899040	0	0	6	36	0	0	8	50	45	476
908040	0	0	0	118	0	0	0	45	0	120
8537100030	1	13	44	679	0	0	1	9	31	424
9024100000	0	12	0	418	0	0	0	10	0	495
9031100000	0	0	0	0	0	0	0	0	0	320
300000	0	0	0	0	0	0	0	0	0	69
9032810040	0	0	8306	557	0	0	252	53	14217	717

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	0	0	4	3	4	3
Finland	1	50	4	3	5	53
Greece	0	0	0	0	0	0
Hungary	2	74	0	0	2	74
Iceland	0	0	0	0	0	0
Ireland	7	133	0	0	7	133
Luxembourg	0	0	4	106	4	106
Norway	11	3	5	4	16	7
Poland	6	645	9	150	15	795
Portugal	0	0	1	660	1	660
Romania	0	0	0	0	0	0
Sweden	7	49	26	31	33	80
Turkey	3	8	26	308	39	316
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	0	0	0	0
TOTAL	1057	12303	539	8955	1596	21258
NORTH AND CENTRAL AMERICA						
Bahamas	2	4	0	0	2	4
Barbados	0	0	11	12	11	12
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	0	0	12	68	12	68
Dominican Rep	4	37	0	0	4	37
El Salvador	8	8	1	55	9	63
Guatemala	6	13	11	57	17	70
Haiti	0	0	0	0	0	0
Honduras	16	16	1	13	17	29
Jamaica	0	0	4	4	4	4
Panama	10	113	20	154	30	267
Trinidad	2	13	1	15	3	28
Oth N & C Am.	5	13	0	0	5	13
TOTAL	1039	15804	756	11704	1795	27508
SOUTH AMERICA						
Argentina	14	21	7	40	21	62
Bolivia	0	0	0	0	0	0
Chile	27	269	5	160	32	429
Colombia	3	139	12	24	15	162
Ecuador	5	16	1	21	6	36
Paraguay	0	0	0	0	0	0
Peru	32	233	3	31	35	264
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	374	2197	45	884	419	3081
OCEANIA						
New Zealand	7	14	10	109	17	123
Oth Oceania	2	150	4	3	6	153
TOTAL	132	357	56	192	188	549

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	150	362	7	339	157	701
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	27	1190	11	133	38	1323
Jordan	6	4	0	0	6	4
Kuwait	26	62	1	110	27	172
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	2	33	0	0	2	33
Philippines	9	133	16	127	25	261
Qatar	1	5	0	0	1	5
Saudi Arabia	94	613	42	943	136	1556
Sri Lanka	1	5	0	0	1	5
Syria	0	0	0	0	0	0
United Arab Emr	70	76	4	3	74	79
Vietnam	0	0	0	0	0	0
Oth Asia	7	8	0	0	7	8
TOTAL	2113	15277	690	24134	2803	39411
AFRICA						
Algeria	0	0	6	356	6	356
Botswana	0	0	0	0	0	0
Egypt	0	0	1	375	1	375
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	7	157	50	43	57	200
South Africa	8	23	16	531	24	554
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	1	36	1	36
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	14	275	14	275
TOTAL	15	179	88	1616	103	1795

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - December 91

RELEASED: March 4, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	719	56119	43	3605
301050	Electro-discharge machines, n.e.c., NC	225	18553	14	1150
301070	Electro-discharge machines, n.e.c., non-NC	294	4170	14	633
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	1817	150922	150	14132
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	121	18611	9	1385
100035	Horizontal machining centers, ATC	482	107222	40	10812
100045	Machining centers, n.e.c.	216	35862	14	2385
200010	Unit construction mach. (single station transfer), NC	34	7784	3	239
200090	Unit construction mach. (single station transfer), non-NC	7	1968	0	0
300010	Multi-station transfer machines, NC	52	80322	20	16219
300090	Multi-station transfer machines, non-NC	102	126767	15	10114
8458110010	Horizontal lathes, multiple spindle, NC	282	45024	27	3842
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1724	130759	120	8643
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	396	56599	41	6056
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	59	21375	5	1792
190030	Horizontal engine or toolroom lathes, non-NC	3362	31047	251	2193
190050	Automatic bar and/or chucking mach., single spindle, non-NC	323	7782	13	123
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	50	5651	17	2006
190090	Horizontal lathes, n.e.c., non-NC	433	16667	19	291
911060	Vertical turret lathes, multiple spindle, NC	28	8609	6	1365
911080	Vertical turret lathes, n.e.c., NC	48	14097	5	1630
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	14	2952	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	26	5330	0	0
991050	Vertical turret lathes, non-NC	93	4579	5	164
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	484	13503	47	3598
8459100000	Way-type unit head machines	7	1038	0	0
210080	Other drilling machines, NC	377	25985	12	1199
290040	Drilling machines, multiple spindle, non-NC	20	2017	0	0
290050	Drilling machines, radial, non-NC	268	2716	24	257
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	45	435	3	24
290090	Drilling machines, n.e.c., non-NC	353	9743	11	373
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	16	6726	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	73	13910	6	961
310070	Boring-milling machines, n.e.c., NC	24	6113	3	1544
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	271	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	89	5436	10	949
400040	Boring machines, vertical, NC	10	1326	0	0
400050	Boring machines, vertical, non-NC	40	779	0	0
400070	Boring machines, n.e.c., NC	25	13378	0	0
400080	Boring machines, n.e.c., non-NC	357	6750	12	563
510080	Milling machines, knee type, NC	313	5921	5	267
590030	Milling machines, knee type, non-NC	2086	17256	88	811
610080	Milling machines, excluding knee type, n.e.c., NC	458	34883	20	4818
690050	Milling machines, profile, dup., or die sinking, non-NC	36	740	0	0
690070	Milling machines, bed type, non-NC	27	765	0	0
690090	Milling machines, n.e.c., non-NC	361	11938	13	2388
700020	Threading or tapping machines, n.e.c., NC	261	13397	46	1646
700080	Threading or tapping machines, n.e.c., non-NC	174	5718	6	282
8460110080	Flat surface grinding machines, NC	107	12831	3	1153
190010	Flat surface grinding mach., recip.-table type, non-NC	390	5432	23	460
190050	Flat surface grinding machines, n.e.c., non-NC	1164	13719	88	1176
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	473	83804	34	6476
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	350	13928	11	673
290030	Grinding machines, internal cylindrical, non-NC	133	6426	4	457
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	721	30498	35	2049
310080	Sharpening machines (tool & cutter grinding), NC	163	6928	21	322
390050	Sharpening machines (tool & cutter grinding), non-NC	571	7802	53	580
400060	Honing or lapping machines, NC	30	3622	2	281
400080	Honing or lapping machines, non-NC	226	15693	22	999
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	95	5557	3	273
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1203	32809	150	5314
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	9	52	1	7
200010	Shaping or slotting machines, NC	6	555	0	0
200090	Shaping or slotting machines, non-NC	52	3795	2	67
300060	Broaching machines, NC	5	2814	0	0
300080	Broaching machines, non-NC	12	4779	1	953
401020	Gear cutting for bevel gears	13	1070	0	0
401030	Gear hobbers	148	19211	2	357
401040	Gear shapers	38	4276	1	359
401060	Gear cutting machines, n.e.c.	130	2470	7	172
405050	Gear grinding or finishing for bevel gears	4	473	0	0
405070	Gear grinding or finishing machines, n.e.c.	44	16805	1	204
500050	Sawing or cutting-off machines, NC	103	11115	4	113
500090	Sawing or cutting-off machines, non-NC	1422	30333	130	2179
9000000001	Metal cutting machine tools, n.e.c.	254	14943	16	945
9800000001	Used or rebuilt machine tools	3663	49343	170	4139
9900000001	Machine tools valued at less than $3,025	913760	84833	86031	7286
	Cutting Total			87952	145453
	Y-T-D Cutting Total	942104	1645431		
	NC Y-T-D Cutting Total	8813	1014545		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – December 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	1	366
8457100015	0	0	0	0	0	0	0	0	3	1477
100025	0	0	0	0	0	0	0	0	5	557
100035	0	0	0	0	0	0	0	0	5	1240
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	14	2408	0	0	3	1552
300090	0	0	0	0	0	0	0	0	3	4924
8458110010	0	0	6	262	0	0	0	0	2	614
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	5	1034
110090	0	0	0	0	0	0	0	0	1	799
190030	0	0	6	141	0	0	1	8	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	1	26
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	108	0	0
995090	0	0	0	0	0	0	0	0	2	431
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	174
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	8	0	0	0	0
290070	0	0	0	0	0	0	0	0	2	16
290090	0	0	0	0	4	320	1	4	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	252
310070	0	0	0	0	0	0	0	0	1	238
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	8	897
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	9	3	24	2	459
510080	0	0	0	0	1	122	0	0	0	0
590030	0	0	0	0	0	0	0	0	3	40
610080	0	0	0	0	1	12	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	22	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	149	0	0	1	108
8460110080	0	0	0	0	0	0	0	0	1	603
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	108
210080	0	0	0	0	0	0	0	0	20	3921
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	404
290050	0	0	0	0	0	0	0	0	17	607
310080	0	0	0	0	0	0	0	0	9	28
390050	0	0	0	0	6	35	0	0	13	276
400060	0	0	0	0	0	0	0	0	2	281
400080	0	0	0	0	0	0	0	0	4	605
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	0	0	30	1500
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	7	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	2	357
401040	0	0	0	0	0	0	0	0	1	359
401060	0	0	0	0	0	0	0	0	3	167
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	1	204
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	35	392	4	94	22	665
9000000001	0	0	0	0	3	12	2	9	2	10
9800000001	0	0	0	0	14	49	2	236	8	51
9900000001	1	2	2	5	188	33	128	74	219	203
Month Tot	1	2	14	407	271	3577	142	557	406	25553
Y-T-D Tot	126	1845	697	8294	6073	20158	2741	19039	8024	347320
NC YTD Tot	5	403	31	2163	57	7064	51	8917	587	129767

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - December 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	32	2687	0	0	0	0	0	0
301050	0	0	12	1123	0	0	0	0	0	0
301070	0	0	2	44	0	0	0	0	0	0
8457100015	0	0	118	11179	2	98	13	722	0	0
100025	0	0	3	694	0	0	0	0	0	0
100035	0	0	32	9104	2	146	0	0	0	0
100045	1	804	1	241	0	0	0	0	0	0
200010	0	0	0	0	3	239	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	3	12260	0	0	0	0	0	0
300090	3	3964	4	314	0	0	0	0	0	0
8458110010	0	0	17	2696	0	0	0	0	0	0
110030	0	0	95	7398	5	282	0	0	0	0
110050	0	0	32	4709	2	220	0	0	0	0
110090	0	0	3	935	0	0	0	0	0	0
190030	0	0	1	46	1	21	28	351	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	27	3	10	0	0	0	0	0	0
911060	0	0	6	1365	0	0	0	0	0	0
911080	3	984	2	646	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	2	758	0	0	10	553	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	11	1025	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	28	4	98	1	40	0	0	1	6
290070	0	0	1	8	0	0	0	0	0	0
290090	1	13	0	0	0	0	0	0	5	37
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	1	354	0	0	0	0	0	0
310070	0	0	1	589	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	1	47	0	0	0	0	0	0	1	5
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	5	68	0	0	1	3	0	0	0	0
510080	0	0	0	0	0	0	4	146	0	0
590030	0	0	0	0	0	0	0	0	53	295
610080	0	0	3	906	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	5	0	0	0	0	4	94
700020	0	0	25	1121	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	2	550	0	0	0	0	0	0
190010	0	0	3	234	0	0	7	86	0	0
190050	1	15	0	0	0	0	0	0	0	0
210080	0	0	7	1709	0	0	0	0	0	0
290010	1	16	2	196	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	382	3	90	0	0	0	0	1	23
310080	2	17	3	9	0	0	0	0	0	0
390050	1	15	3	54	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	4	197	0	0	0	0	0	0
900060	0	0	3	273	0	0	0	0	0	0
900080	5	1675	51	626	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	46	1	21	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	953	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	4	5	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	2	83	2	31	0	0	0	0	0	0
500090	23	380	18	494	0	0	0	0	1	7
9000000001	0	0	1	93	0	0	0	0	0	0
9800000001	3	14	57	1625	0	0	0	0	5	46
9900000001	2779	668	3399	577	1470	131	0	0	0	0
Month Tot	2842	10007	3973	67290	1497	1732	52	1305	71	513
Y-T-D Tot	32598	56249	58266	788402	21770	19168	1097	13335	1744	16367
NC YTD Tot	112	26447	5302	677646	157	10717	169	8001	170	1389

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - December 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	4	435	0	0	1	217	6	266
301050	0	0	2	27	0	0	0	0	0	0
301070	0	0	4	127	7	96	0	0	0	0
8457100015	0	0	0	0	5	183	7	340	2	132
100025	0	0	0	0	1	135	0	0	0	0
100035	0	0	1	321	0	0	0	0	0	0
100045	0	0	0	0	0	0	7	522	5	818
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	5	912	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	2	270	0	0
110030	0	0	5	300	0	0	9	510	6	153
110050	0	0	0	0	0	0	0	0	2	93
110090	0	0	0	0	0	0	1	57	0	0
190030	0	0	0	0	35	330	12	175	167	1121
190050	0	0	2	58	10	62	0	0	1	4
190070	0	0	6	1850	0	0	1	19	10	137
190090	0	0	0	0	0	0	13	195	1	33
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	1	7	0	0	0	0	3	49
995090	0	0	2	1444	0	0	9	129	22	283
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	14	66	0	0	1	11
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	4	355
310070	0	0	0	0	0	0	1	718	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	9	36	5	360	18	81
610080	0	0	3	3648	11	32	2	220	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	2245	0	0	0	0	6	22
700020	0	0	0	0	21	525	0	0	0	0
700080	0	0	0	0	4	25	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	7	67	0	0	6	73
190050	0	0	0	0	78	880	0	0	8	173
210080	0	0	4	558	0	0	2	240	1	48
290010	0	0	3	343	1	76	0	0	4	43
290030	0	0	0	0	1	8	0	0	2	44
290050	1	379	5	512	0	0	6	54	1	1
310080	0	0	4	126	0	0	1	1	2	140
390050	0	0	0	0	9	32	19	145	2	22
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	4	128	0	0	10	70	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	794	8	287	0	0	40	256	14	176
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	5	53	4	15	6	29	12	50
9000000001	0	0	3	749	0	0	0	0	5	73
9800000001	1	151	9	450	5	48	62	1449	4	21
9900000001	206	29	8	7	56982	4052	52	75	20597	1432
Month Tot	210	1353	89	14585	57204	6668	268	6052	20912	5852
Y-T-D Tot	2452	17531	1399	87742	643058	104241	3046	74316	159013	71424
NC YTD Tot	14	6808	294	43441	808	27067	378	39524	678	25193

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

RELEASED: March 4, 1992

	Metal Forming Machine Tools	TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	242	28032	18	2560
8462100030	Headers and upsetters, including cold headers	71	14382	2	148
100050	Forging or die stamping machines, and hammers, n.e.c.	693	42513	79	2027
210080	Bending, folding, straight. or flat. mach., incl presses, NC	519	40829	80	8275
290030	Press brakes, non-NC	203	7093	9	320
290040	Bending rolls, non-NC	58	1445	0	0
290050	Bending, folding, straight., or flat., n.e.c., non-NC	927	31871	69	2346
310080	Shearing machines, NC	22	3547	0	0
390050	Shearing machines, non-NC	343	12930	34	833
410080	Punching or notching mach., incl. comb. punch & shear, NC	197	30248	15	2336
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	423	11171	19	835
910060	Hydraulic presses, NC	26	8462	1	362
910090	Hydraulic presses, non-NC	2159	19877	347	2123
990030	Presses, n.e.c., NC	3	1451	0	0
990035	Mechanical transfer presses, non-NC	13	65212	1	2708
990045	Mechanical presses, n.e.c., non-NC	190	17340	7	217
990060	Presses, n.e.c., non-NC	489	29278	43	4630
8463100080	Draw benches for bars, tubes, profiles, wire or the like	133	10829	11	1031
200080	Thread rolling machines	66	1886	0	0
300080	Machines for working wire	1222	53686	102	3930
900080	Metal forming machine tools, n.e.c.	910	27780	66	3690
9800000002	Used or rebuilt machine tools	2618	23961	54	1068
9900000002	Machine tools valued at less than $3,025	14739	6485	1445	638
	Forming Total			2402	40077
	Y-T-D Forming Total	26266	490305		
	NC Y-T-D Forming Total	767	84535		
	Cutting and Forming Totals:				
	Monthly Total			90354	185529
	Y-T-D Total	968370	2135736		
	NC Y-T-D Total	9580	1099080		

	Other Manufacturing Technology	TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	555073	0	45915
2000000000	Parts for working rubber or plastics - heading 8477	0	324704	0	28282
2710003070	Quenching or cutting oils	0	320	0	42
8428900010	Industrial robots for lifting, handling, loading or unload	1585	33187	129	2858
8431390080	Parts industrial robots, handling and loading - heading 8428	0	90095	0	5425
8456101010	Laser, light or photon beam for working metal, NC	178	37949	21	3292
101020	Laser, light or photon beam for working metal, non-NC	115	11148	16	706
105000	Laser, light or photon beam for other materials	221	10160	43	1691
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	38	151	0	0
205000	Ultrasonic processes for working other materials	65	293	27	65
8477103000	Injection molding mach., for manufacturing shoes	177	2287	6	323
106010	Injection molding mach., for rubber or oth. thermosetting	835	90109	93	7224
106050	Injection molding mach., for thermoplastics	2366	206883	300	18747
200005	Extruders; rubber or other thermosetting mat., single screw	41	7962	4	723
200015	Extruders; rubber or thermosetting, other incl. multi. screw	145	18075	7	625
200035	Extruders; thermoplastics, single screw, less than 6.4cm	82	2688	3	135
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	94	12662	3	891
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	69	7324	5	451
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	129	23676	15	2335
300000	Blow molding machines	270	56831	37	8300
400000	Vacuum-molding and other thermoforming machines	338	17296	23	1616
510010	Machines for molding or retreading pneumatic tires	344	26583	30	1240
510090	Machines for molding or otherwise forming inner tubes	89	5847	15	197
590000	Machines for molding or otherwise forming n.e.c.	687	34087	114	4670
800000	Machines for working rubber or plastics n.e.c.	2327	146115	231	6277
8479899040	Industrial robots, n.e.c.	3739	134139	200	6511
908040	Industrial robot parts	0	32081	0	3035
8537100030	Numerical controls for controlling machine tools	9203	33630	606	3061
9024100000	Machines and appliances for testing metals	0	11177	0	1175
9031100000	Machines for balancing mechanical parts	0	8323	0	154
300000	Profile projectors	0	5473	0	401
9032810020	Industrial process control instr., hydraulic	132282	3304	5460	205
810060	Industrial process control instr., pneumatic	167394	5434	15094	359

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	10	1611	0	0	1	30
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	4	465	0	0	1	19
210080	0	0	0	0	5	254	0	0	11	2829
290030	2	77	0	0	7	243	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	17	89	2	6	4	460
310080	0	0	0	0	0	0	0	0	0	0
390050	3	96	0	0	1	23	0	0	1	36
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	1	7	0	0	2	21
910060	0	0	0	0	1	362	0	0	0	0
910090	0	0	0	0	2	198	0	0	12	31
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	1	4	0	0	0	0
990060	1	982	0	0	10	461	0	0	6	644
8463100080	1	123	0	0	0	0	0	0	3	304
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	6	49	4	191	0	0	23	1636
900080	0	0	0	0	11	299	15	79	3	244
9800000002	4	122	10	7	28	213	0	0	3	21
9900000002	0	0	0	0	81	86	4	11	7	2
Month Tot	11	1400	16	56	183	4505	21	97	77	6277
Y-T-D Tot	196	9950	46	19816	2125	44674	265	2611	1464	88461
NC YTD Tot	1	561	0	0	39	4736	18	128	116	22586
C&F Month	12	1402	30	463	454	8082	163	653	483	31830
C&F Y-T-D	322	11795	743	28110	8198	64832	3006	21650	9488	435781
C&F NC YTD	6	964	31	2163	96	11800	69	9045	703	152353

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	180	0	101	0	6774	0	1057	0	9514
2000000000	0	41	0	18	0	6028	0	1479	0	11318
2710003070	0	0	0	0	0	11	0	0	0	0
8428900010	0	0	0	0	2	28	0	0	2	471
8431390080	0	0	0	2	0	1710	0	92	0	850
8456101010	0	0	0	0	0	0	0	0	7	741
101020	0	0	0	0	0	0	0	0	15	576
105000	0	0	0	0	0	0	0	0	1	445
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	1	6
106010	0	0	0	0	2	233	7	949	8	350
106050	0	0	0	0	61	3845	0	0	85	4432
200005	0	0	0	0	0	0	0	0	3	601
200015	0	0	0	0	2	37	0	0	2	179
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	1	490
200055	0	0	0	0	0	0	0	0	2	158
200065	0	0	0	0	1	88	0	0	14	2247
300000	0	0	0	0	0	0	2	4326	1	1365
400000	0	0	0	0	3	161	0	0	3	1185
510010	0	0	0	0	3	114	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	51	3441	13	124	5	225
800000	1	15	0	0	9	414	7	26	52	2292
8479899040	0	0	0	0	7	301	0	0	1	77
908040	0	0	0	0	0	41	0	7	0	1033
8537100030	0	0	0	0	0	0	0	0	5	65
9024100000	0	0	0	0	0	189	0	0	0	43
9031100000	0	0	0	0	0	36	0	0	0	11
300000	0	0	0	0	0	0	0	0	0	20
9032810020	0	0	0	0	0	0	0	0	0	0
810060	0	0	0	0	35	5	0	0	34	10

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	116	1	57	2	315	0	0
8462100030	0	0	1	83	0	0	0	0	0	0
100050	4	172	4	624	0	0	0	0	0	0
210080	28	974	26	2413	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	6	28	3	149	0	0	0	0	5	157
310080	0	0	0	0	0	0	0	0	0	0
390050	16	54	7	546	0	0	0	0	0	0
410080	0	0	14	1980	0	0	0	0	0	0
490050	5	101	5	362	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	4	4	1748	0	0	0	0	262	56
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	2708	0	0	0	0	0	0
990045	0	0	1	40	0	0	0	0	0	0
990060	4	54	18	2432	0	0	0	0	0	0
8463100080	0	0	7	604	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	12	390	32	386	0	0	0	0	0	0
900080	0	0	1	35	0	0	0	0	1	2012
9800000002	0	0	2	563	0	0	0	0	0	0
9900000002	22	16	193	85	0	0	0	0	14	18
Month Tot	98	1793	321	14873	1	57	2	315	282	2243
Y-T-D Tot	1894	33735	4512	203044	39	599	7	733	1058	5328
NC YTD Tot	69	4333	421	35734	0	0	1	32	0	0
C&F Month	2940	11800	4294	82164	1498	1789	54	1620	353	2756
C&F Y-T-D	34492	89984	62778	991445	21809	19767	1104	14068	2802	21695
C&F NC YTD	181	30780	5723	713380	157	10717	170	8033	170	1389

Other Manufacturing Technology

1000000000	0	1955	0	12449	0	132	0	43	0	267
2000000000	0	989	0	5061	0	0	0	0	0	20
2710003070	0	0	0	32	0	0	0	0	0	0
8428900010	1	122	115	1814	0	0	0	0	0	0
8431390080	0	113	0	369	0	27	0	0	0	0
8456101010	0	0	14	2551	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	1	2	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	1	316	0	0	0	0	0	0	4	2
106010	3	225	51	3863	0	0	0	0	0	0
106050	20	555	80	7419	1	117	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	1	308	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	1	131	0	0	0	0	0	0
200055	0	0	2	167	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	13	1197	10	1321	0	0	0	0	0	0
400000	0	0	3	259	0	0	0	0	0	0
510010	0	0	20	127	0	0	0	0	0	0
510090	0	0	1	113	0	0	0	0	0	0
590000	10	309	13	243	0	0	0	0	0	0
800000	5	203	119	2455	0	0	0	0	0	0
8479899040	0	0	129	5248	0	0	1	160	0	0
908040	0	34	0	1190	0	0	0	0	0	0
8537100030	13	110	585	2818	0	0	0	0	0	0
9024100000	0	8	0	173	0	0	0	0	0	0
9031100000	0	0	0	36	0	0	0	56	0	0
300000	0	0	0	50	0	0	0	0	0	0
9032810020	0	0	0	0	1590	9	0	0	0	0
810060	390	50	55	155	5000	15	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	413	0	0	1	17	0	0
8462100030	0	0	0	0	1	64	0	0	0	0
100050	1	112	2	239	11	44	50	344	2	8
210080	0	0	0	0	1	38	6	1708	3	58
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	15	540	6	757	0	0	0	0	11	159
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	6	2	18	3	54
410080	0	0	1	356	0	0	0	0	0	0
490050	4	22	1	319	0	0	0	0	1	4
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	62	33	3	40	1	15
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	5	173
990060	0	0	0	0	0	0	0	0	4	58
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	11	737	4	297	2	11	8	233
900080	0	0	24	897	1	30	10	94	0	0
9800000002	1	22	0	0	1	4	4	85	1	32
9900000002	5	11	43	90	919	263	44	25	113	31
Month Tot	26	707	89	3809	1001	779	122	2342	152	824
Y-T-D Tot	244	10543	1075	22673	7450	7390	2067	17599	3824	23147
NC YTD Tot	16	2184	15	2072	8	154	24	4601	39	7413
C&F Month	236	2060	178	18394	58205	7447	390	8393	21064	6676
C&F Y-T-D	2696	28074	2474	110414	650508	111632	5113	91915	162837	94572
C&F NC YTD	30	8991	309	45513	816	27221	402	44125	717	32607

Other Manufacturing Technology

1000000000	0	595	0	3513	0	1567	0	4720	0	3048
2000000000	0	26	0	608	0	295	0	849	0	1551
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	7	343	0	0	0	0	0	0	2	80
8431390080	0	131	0	863	0	58	0	606	0	604
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	1	130	0	0
105000	10	23	1	334	0	0	0	0	30	887
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	27	65
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	1	233	6	278	0	0	15	1092
106050	0	0	12	1446	25	495	2	12	14	425
200005	0	0	1	123	0	0	0	0	0	0
200015	0	0	0	0	1	66	0	0	1	36
200035	0	0	0	0	1	35	2	100	0	0
200045	0	0	0	0	0	0	1	270	0	0
200055	0	0	0	0	0	0	1	126	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	10	74	0	0	1	16
400000	0	0	0	0	0	0	14	10	0	0
510010	0	0	0	0	0	0	5	93	2	906
510090	0	0	0	0	0	0	0	0	14	84
590000	0	0	0	0	0	0	8	203	14	126
800000	11	109	0	0	9	315	12	45	6	404
8479899040	6	131	1	249	7	39	10	50	38	257
908040	0	37	0	74	0	3	0	353	0	263
8537100030	0	0	0	0	0	0	3	69	0	0
9024100000	0	0	0	581	0	0	0	175	0	5
9031100000	0	0	0	7	0	0	0	8	0	0
300000	0	0	0	0	0	0	0	331	0	0
9032810020	0	0	569	20	0	0	1130	7	2171	170
810060	390	27	10	22	5684	10	5	2	3491	64

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	69	600	1	13	70	612
Bulgaria	8	62	0	0	8	62
Czechoslovakia	7	244	0	0	7	244
Denmark	47	224	4	40	51	265
Finland	11	14	8	135	19	148
Hungary	6	153	0	0	6	153
Ireland	4	66	0	0	4	66
Luxembourg	0	0	0	0	0	0
Netherlands	1	3	11	257	12	260
Norway	2	112	0	0	2	112
Poland	34	551	0	0	34	551
Portugal	0	0	8	149	8	149
Romania	0	0	0	0	0	0
USSR	12	250	0	0	12	250
Yugoslavia	5	305	0	0	5	305
Oth Europe	2	22	0	0	2	22
TOTAL	4237	61227	758	19261	4995	80488
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	0	0	8	185	8	185
Oth N & C Am.	0	0	0	0	0	0
TOTAL	271	3577	191	4689	462	8266
SOUTH AMERICA						
Argentina	3	52	0	0	3	52
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	17	459	16	56	33	515
OCEANIA						
Australia	6	108	0	0	6	108
New Zealand	0	0	0	0	0	0
Oth Oceania	16	20	0	0	16	20
TOTAL	22	129	0	0	22	129

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	20654	2329	111	42	20765	2371
Hong Kong	1	2	0	0	1	2
India	7	12	0	0	7	12
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	3	250	1	4	4	254
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	14	472	0	0	14	472
Oth Asia	0	0	0	0	0	0
TOTAL	83405	80060	1437	16071	84842	96131
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - December 91

RELEASED: March 4, 1992

		TOTAL YTD UNITS	TOTAL YTD $000
8456300000	Electro-discharge machines	138	9976
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	72	12190
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	20	12652
100035	Horizontal machining centers, ATC	45	16054
100045	Machining centers, n.e.c.	160	18002
200010	Unit construction mach. (single station transfer), NC	7	3404
200090	Unit construction mach. (single station transfer), non-NC	13	3090
300010	Multi-station transfer machines, NC	8	14559
300090	Multi-station transfer machines, non-NC	73	27284
8458110010	Horizontal lathes, multiple spindle, NC	45	6033
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	199	17451
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	36	5892
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	31	6647
190030	Horizontal engine or toolroom lathes, non-NC	38	593
190050	Automatic bar and/or chucking mach., single spindle, non-NC	19	309
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	51	3382
190090	Horizontal lathes, n.e.c., non-NC	325	7365
911060	Vertical turret lathes, multiple spindle, NC	1	45
911080	Vertical turret lathes. n.e.c., NC	3	644
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	27	1818
991050	Vertical turret lathes, non-NC	30	1069
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	78	3030
8459100000	Way-type unit head machines	4	257
210080	Other drilling machines, NC	180	13852
290040	Drilling machines, multiple spindle, non-NC	4	474
290050	Drilling machines, radial, non-NC	39	1291
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	30	989
290090	Drilling machines, n.e.c., non-NC	989	6780
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	2	1280
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	7	4062
310070	Boring-milling machines, n.e.c., NC	25	1836
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	253
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	18	664
400040	Boring machines, vertical, NC	7	670
400050	Boring machines, vertical, non-NC	33	1595
400070	Boring machines, n.e.c., NC	11	1234
400080	Boring machines, n.e.c., non-NC	71	3325
510080	Milling machines, knee type, NC	27	1919
590030	Milling machines, knee type, non-NC	106	3865
610080	Milling machines, excluding knee type, n.e.c., NC	66	18420
690050	Milling machines, profile, dup., or die sinking, non-NC	5	34
690070	Milling machines, bed type, non-NC	2	69
690090	Milling machines, n.e.c., non-NC	369	10034
700020	Threading or tapping machines, n.e.c., NC	77	2798
700080	Threading or tapping machines, n.e.c., non-NC	274	8999
8460110080	Flat surface grinding machines, NC	82	5302
190010	Flat surface grinding mach., recip.-table type, non-NC	64	881
190050	Flat surface grinding machines, n.e.c., non-NC	36	4742
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	113	36736
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	34	5144
290030	Grinding machines, internal cylindrical, non-NC	44	5307
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	360	12232
310080	Sharpening machines (tool & cutter grinding), NC	31	2120
390050	Sharpening machines (tool & cutter grinding), non-NC	873	8213
400060	Honing or lapping machines, NC	13	974
400080	Honing or lapping machines, non-NC	484	7119
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	13	1704
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1380	17237
8461100060	Planing machines, NC	2	219
100080	Planing machines, non-NC	207	6467
200010	Shaping or slotting machines, NC	17	1633
200090	Shaping or slotting machines, non-NC	29	756
300060	Broaching machines, NC	12	2732
300080	Broaching machines, non-NC	43	4856
401050	Gear hobbers	94	7608
401070	Gear shapers	13	1445
401090	Gear cutting machines, n.e.c.	101	47957
405060	Gear grinding or finishing machines	97	9209
500050	Sawing or cutting-off machines, NC	114	5814
500090	Sawing or cutting-off machines, non-NC	1358	17212
9000000001	Metal cutting machine tools, n.e.c.	903	26700
9800000001	Used or rebuilt machine tools	6816	76636
9900000001	Machine tools valued at less than $3,025	42191	24624
	Y-T-D Cutting Total	59293	597786
	NC Y-T-D Cutting Total*	1773	240853

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - December 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	17	1771
8457100015	0	0	0	0	13	1942	0	0	14	2084
100025	0	0	0	0	1	132	0	0	9	1913
100035	0	0	0	0	3	842	0	0	16	3539
100045	2	170	0	0	1	70	2	114	42	4358
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	2099
300090	0	0	0	0	0	0	0	0	11	4248
8458110010	0	0	0	0	0	0	1	332	17	2255
110030	1	49	0	0	9	836	1	116	19	1707
110050	1	399	0	0	1	118	0	0	9	1275
110090	0	0	0	0	0	0	0	0	16	2646
190030	0	0	0	0	0	0	0	0	2	53
190050	0	0	0	0	0	0	0	0	16	278
190070	0	0	0	0	0	0	0	0	4	462
190090	8	86	0	0	0	0	35	424	41	967
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	214
991050	0	0	0	0	0	0	1	19	1	10
995090	0	0	0	0	0	0	0	0	11	528
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	40	0	0	3	67	0	0	14	975
290040	0	0	0	0	0	0	1	94	2	363
290050	1	10	0	0	0	0	0	0	8	60
290070	0	0	0	0	0	0	0	0	13	55
290090	2	11	0	0	1	149	16	165	358	1977
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	3	834
310070	0	0	0	0	0	0	0	0	1	266
390040	0	0	0	0	0	0	0	0	1	80
390050	0	0	0	0	0	0	0	0	6	482
400040	0	0	0	0	0	0	0	0	0	0
400050	1	14	0	0	1	25	0	0	5	253
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	6	849
510080	2	103	0	0	0	0	0	0	12	1034
590030	8	221	0	0	0	0	1	40	12	333
610080	0	0	0	0	0	0	1	900	29	6315
690050	0	0	0	0	0	0	0	0	4	24
690070	0	0	0	0	0	0	0	0	1	37
690090	1	12	0	0	1	26	0	0	23	950
700020	0	0	0	0	10	262	0	0	3	130
700080	5	200	0	0	12	910	22	182	48	467
8460110080	0	0	0	0	0	0	3	498	3	952
190010	0	0	1	138	0	0	1	15	6	63
190050	0	0	0	0	0	0	1	132	9	689
210080	0	0	0	0	0	0	1	333	12	5855
290010	0	0	0	0	0	0	9	2153	8	706
290030	0	0	0	0	1	144	5	587	0	0
290050	5	128	0	0	0	0	5	407	34	618
310080	0	0	0	0	0	0	4	548	4	573
390050	1	8	0	0	0	0	36	288	139	1235
400060	0	0	0	0	0	0	1	50	3	445
400080	9	89	6	88	5	57	0	0	58	1330
900060	0	0	0	0	0	0	0	0	2	459
900080	14	123	6	72	5	53	18	269	270	3015
8461100060	1	19	0	0	1	200	0	0	0	0
100080	1	3	0	0	12	976	30	107	1	75
200010	0	0	0	0	0	0	0	0	1	109
200090	1	23	0	0	0	0	0	0	11	151
300060	0	0	0	0	0	0	0	0	9	1196
300080	0	0	0	0	0	0	0	0	14	2320
401050	0	0	0	0	17	930	0	0	1	30
401070	0	0	1	409	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	71	1	179
405060	1	8	0	0	0	0	1	39	17	2195
500050	0	0	0	0	3	49	0	0	76	4021
500090	9	110	1	16	6	93	2	24	200	1819
9000000001	14	640	0	0	4	1028	35	2105	165	2248
9800000001	44	1029	9	53	17	601	602	1442	873	11125
9900000001	939	760	92	54	887	784	567	314	3005	3199
Y-T-D Tot	1072	4254	116	830	1014	10293	1403	11766	5718	90498
NC YTD Tot*	9	1285	0	0	48	5518	30	4252	350	47592

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - December 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	3	446	1	40	85	5475	0	0	0	0
8457100015	4	2091	1	380	4	510	0	0	0	0
100025	0	0	1	535	0	0	1	427	0	0
100035	8	4279	0	0	1	246	0	0	0	0
100045	6	1970	4	304	3	152	0	0	0	0
200010	1	1069	0	0	0	0	0	0	0	0
200090	0	0	0	0	6	820	1	585	0	0
300010	1	1050	0	0	6	11410	0	0	0	0
300090	1	1038	36	4520	1	674	0	0	1	2465
8458110010	0	0	1	851	0	0	0	0	0	0
110030	19	1859	9	939	10	808	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	7	2569	0	0	1	276	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	2	218	6	211	7	218	0	0
190090	1	1	1	134	10	144	1	17	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	1	586	0	0	0	0	0	0	0	0
995090	1	40	1	51	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	35	82	6549	0	0	1	27
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	7	331	0	0	2	19
290070	0	0	3	218	1	109	0	0	0	0
290090	0	0	7	31	5	51	68	308	2	8
310010	0	0	0	0	2	1280	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	1	111	0	0	1	35	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	2	262	0	0	0	0	0	0	0	0
590030	0	0	1	37	1	33	1	19	0	0
610080	2	3466	3	787	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	52	850	0	0	1	15	1	200	0	0
700020	6	144	0	0	0	0	0	0	0	0
700080	0	0	1	8	7	588	0	0	0	0
8460110080	5	375	0	0	4	147	2	760	1	31
190010	0	0	0	0	20	238	0	0	0	0
190050	4	787	0	0	3	829	0	0	0	0
210080	12	4544	9	3011	6	3240	3	879	2	692
290010	0	0	2	853	2	190	0	0	0	0
290030	16	1293	0	0	8	1989	3	447	0	0
290050	13	377	0	0	20	616	20	1043	0	0
310080	0	0	4	133	0	0	0	0	0	0
390050	1	5	13	84	117	749	86	559	6	36
400060	0	0	0	0	0	0	0	0	0	0
400080	15	301	21	233	47	696	40	423	0	0
900060	3	622	0	0	3	105	0	0	0	0
900080	32	343	40	965	110	1815	34	347	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	4	61	13	177	0	0	0	0
200010	1	410	0	0	1	15	0	0	0	0
200090	0	0	0	0	1	150	0	0	1	53
300060	0	0	0	0	0	0	0	0	0	0
300080	14	915	1	185	0	0	3	434	0	0
401050	0	0	0	0	24	1523	0	0	0	0
401070	0	0	0	0	1	384	0	0	0	0
401090	1	715	3	1420	14	6743	6	2899	0	0
405060	0	0	0	0	9	1933	0	0	1	32
500050	0	0	0	0	3	355	0	0	0	0
500090	17	289	10	112	73	865	1	5	3	42
9000000001	20	2007	28	861	27	1502	13	498	2	23
9800000001	124	3155	70	755	303	2791	529	3514	19	1358
9900000001	369	52	1222	766	2345	1277	135	101	61	43
Y-T-D Tot	763	38030	1500	18526	3394	58047	955	13685	102	4829
NC YTD Tot*	86	27101	60	7850	232	31866	13	2466	4	749

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - December 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	4	248	1	51	0	0	9	757
8457100015	5	617	0	0	6	648	0	0	6	1043
100025	0	0	0	0	1	116	0	0	3	1103
100035	0	0	3	689	0	0	0	0	0	0
100045	1	35	3	424	4	1335	0	0	54	5543
200010	0	0	1	335	0	0	0	0	4	1812
200090	0	0	1	1090	2	272	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	715	0	0	5	514
8458110010	0	0	4	463	0	0	0	0	14	1420
110030	1	75	34	2729	10	949	0	0	7	753
110050	0	0	0	0	5	945	0	0	3	349
110090	0	0	0	0	0	0	0	0	6	971
190030	0	0	3	84	0	0	0	0	19	176
190050	0	0	1	16	0	0	0	0	2	15
190070	0	0	11	510	11	601	0	0	3	825
190090	3	29	10	110	13	146	0	0	106	3485
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	3	644
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	20	1308
991050	0	0	0	0	0	0	0	0	17	311
995090	0	0	0	0	6	142	0	0	46	1741
8459100000	0	0	0	0	0	0	0	0	4	257
210080	0	0	6	617	5	258	5	129	19	1644
290040	0	0	0	0	0	0	0	0	1	17
290050	0	0	13	662	0	0	0	0	4	17
290070	0	0	0	0	0	0	0	0	3	23
290090	5	24	7	75	156	697	39	175	143	1163
310010	0	0	0	0	0	0	0	0	0	0
310040	2	2450	0	0	0	0	0	0	1	130
310070	0	0	0	0	0	0	0	0	12	965
390040	0	0	0	0	3	173	0	0	0	0
390050	0	0	0	0	1	4	0	0	10	149
400040	0	0	0	0	6	471	0	0	0	0
400050	0	0	3	67	1	140	0	0	2	39
400070	0	0	0	0	0	0	0	0	0	0
400080	3	458	0	0	0	0	0	0	9	701
510080	0	0	0	0	1	74	0	0	5	249
590030	2	52	4	165	3	59	1	45	10	498
610080	1	78	0	0	3	2857	0	0	6	395
690050	0	0	0	0	0	0	0	0	1	10
690070	0	0	0	0	0	0	0	0	1	33
690090	0	0	24	447	122	5252	0	0	85	835
700020	21	525	2	312	1	215	0	0	5	69
700080	29	817	4	72	3	337	1	74	44	1156
8460110080	4	109	3	424	9	284	1	39	15	569
190010	0	0	2	31	3	58	0	0	6	75
190050	0	0	1	231	1	148	0	0	3	333
210080	2	421	29	6648	14	3[illegible]46	0	0	4	662
290010	0	0	0	0	1	206	0	0	3	187
290030	0	0	0	0	0	0	0	0	4	164
290050	12	399	11	388	15	1583	0	0	101	2366
310080	1	35	2	319	3	164	0	0	6	174
390050	4	532	156	1409	137	866	10	58	91	614
400060	0	0	0	0	0	0	0	0	0	0
400080	10	142	22	379	125	1521	4	525	3	50
900060	0	0	2	53	0	0	0	0	3	465
900080	22	221	87	1497	96	1335	5	22	119	1156
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	16	2295	3	60	0	0	21	527
200010	0	0	7	173	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	28
300060	0	0	0	0	0	0	0	0	3	1536
300080	0	0	0	0	7	843	0	0	1	11
401050	9	472	1	442	14	2360	0	0	9	277
401070	0	0	1	97	0	0	0	0	0	0
401090	8	5519	33	15406	11	5761	0	0	6	503
405060	8	98	3	1797	4	139	4	178	5	54
500050	0	0	0	0	0	0	1	59	14	743
500090	30	569	241	2954	88	1452	6	87	116	1165
9000000001	9	1014	74	2548	86	2330	1	21	74	899
9800000001	88	694	98	2953	147	7844	11	1430	1941	14840
9900000001	675	411	5024	1982	2504	1378	215	223	7671	3949
Y-T-D Tot	955	15794	5951	51142	3633	48634	304	3064	10913	62467
NC YTD Tot*	40	5222	132	14797	69	12212	7	226	224	23338

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools -- January 91 - December 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	6	412	0	0	0	0	3	140	3	135
8457100015	1	106	5	654	0	0	1	130	5	886
100025	1	106	0	0	0	0	0	0	0	0
100035	1	464	0	0	0	0	0	0	1	916
100045	3	430	3	250	0	0	0	0	2	87
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	63	0	0	7	814	2	172	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	2	94
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	1	7	0	0	3	22	3	18
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	2	53	1	14	0	0	0	0	3	128
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	53	3	132	0	0	0	0	9	1114
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	19
290070	3	217	1	10	0	0	0	0	0	0
290090	33	147	4	22	0	0	0	0	5	1099
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	1	648	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	28	1047	1	29	2	41	2	198
610080	0	0	2	157	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	35	1	15
700020	0	0	0	0	0	0	0	0	3	503
700080	0	0	0	0	3	369	2	30	1	3
8460110080	0	0	2	110	1	27	0	0	3	140
190010	0	0	0	0	0	0	0	0	6	71
190050	0	0	0	0	1	97	0	0	1	213
210080	2	428	0	0	0	0	4	1395	0	0
290010	3	192	0	0	0	0	2	131	2	37
290030	0	0	0	0	1	38	0	0	0	0
290050	6	543	1	165	7	260	3	153	16	1093
310080	0	0	1	26	0	0	0	0	2	56
390050	2	9	7	71	1	3	4	338	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	9	67	1	7	8	39	25	309	9	119
900060	0	0	0	0	0	0	0	0	0	0
900080	14	170	19	809	18	163	16	138	31	399
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	7	7	113	0	0	1	49	8	145
200010	0	0	0	0	0	0	4	513	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	105	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	3	1813	0	0	1	92
405060	0	0	0	0	0	0	5	331	5	51
500050	0	0	0	0	0	0	9	228	0	0
500090	70	461	20	266	22	373	2	46	35	558
9000000001	12	316	35	1250	2	23	35	398	22	1808
9800000001	66	291	238	1557	80	779	79	441	47	499
9900000001	425	258	2888	1467	265	160	640	355	1341	576
Y-T-D Tot	663	4794	3269	8886	420	4988	844	5396	1570	11078
NC YTD Tot*	17	2320	27	2585	8	841	24	2595	28	3837

Please see notes on last page of the metal forming section.

U.S. EXPORTS

Metal Cutting Machine Tools - January 91 - December 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	2	135	0	0	0	0	4	367
8457100015	0	0	6	908	0	0	0	0	1	191
100025	0	0	1	112	0	0	0	0	1	207
100035	0	0	1	139	0	0	0	0	11	4939
100045	0	0	9	610	0	0	2	175	19	1977
200010	0	0	0	0	0	0	0	0	1	188
200090	0	0	3	323	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	1	214	15	12635	0	0	1	260
8458110010	0	0	0	0	4	324	0	0	4	388
110030	2	151	51	3893	0	0	4	365	12	1172
110050	0	0	8	1709	1	132	7	780	1	187
110090	0	0	0	0	0	0	1	185	0	0
190030	0	0	7	115	0	0	0	0	5	71
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	6	293	0	0	0	0	1	45
190090	4	16	2	20	0	0	11	919	72	833
911060	0	0	0	0	0	0	0	0	1	45
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	6	296
991050	0	0	9	133	0	0	0	0	1	11
995090	0	0	1	41	0	0	2	84	4	207
8459100000	0	0	0	0	0	0	0	0	0	0
210080	9	540	1	43	0	0	3	206	17	1425
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	104	0	0	1	58	1	9
290070	0	0	0	0	0	0	0	0	6	357
290090	0	0	69	318	0	0	0	0	69	358
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	1	90	9	369
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	28
400040	0	0	0	0	0	0	0	0	1	199
400050	0	0	0	0	0	0	0	0	20	1057
400070	0	0	0	0	0	0	1	148	10	1086
400080	0	0	0	0	0	0	1	82	52	1235
510080	0	0	1	28	0	0	0	0	4	168
590030	0	0	5	138	0	0	0	0	24	909
610080	0	0	2	121	0	0	0	0	17	3345
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	14	365	0	0	13	109	29	922
700020	0	0	4	100	0	0	0	0	22	539
700080	0	0	3	30	0	0	40	2543	49	1213
8460110080	0	0	15	500	0	0	0	0	11	338
190010	0	0	0	0	0	0	0	0	19	192
190050	1	100	10	1109	0	0	0	0	1	73
210080	0	0	7	3044	0	0	0	0	6	1738
290010	0	0	0	0	0	0	0	0	2	489
290030	0	0	0	0	0	0	0	0	6	645
290050	1	29	4	184	0	0	4	33	82	1846
310080	0	0	1	26	0	0	0	0	3	66
390050	0	0	36	286	2	908	0	0	24	155
400060	0	0	9	479	0	0	0	0	0	0
400080	19	251	11	117	0	0	0	0	37	376
900060	0	0	0	0	0	0	0	0	0	0
900080	10	102	98	947	7	80	182	1938	127	1256
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	26	25	362	0	0	8	96	53	1386
200010	0	0	0	0	0	0	0	0	3	413
200090	0	0	2	19	0	0	0	0	11	333
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	16	0	0	1	27	0	0
401050	0	0	18	976	1	599	0	0	0	0
401070	0	0	0	0	0	0	0	0	10	555
401090	0	0	0	0	7	4435	0	40	6	2358
405060	0	0	0	0	0	0	1	26	33	2330
500050	2	50	4	267	0	0	0	0	2	43
500090	3	36	192	2799	5	91	19	325	187	2655
9000000001	12	697	57	1122	0	0	38	720	138	2642
9800000001	49	3120	762	5677	21	42	110	1279	489	9365
9900000001	935	210	2955	1036	122	80	1018	751	5891	4440
Y-T-D Tot	1049	5326	4414	28860	185	19326	1468	10977	7617	58296
NC YTD Tot*	18	1106	146	12726	5	456	19	1948	176	19965

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - December 91

RELEASED: March 4, 1992

Metal Forming Machine Tools		TOTAL YTD	
		UNITS	$000
8454300010	Die casting machines	367	7076
8462100030	Headers and upsetters, including cold headers	60	23669
100050	Forging or die stamping machines, and hammers, n.e.c.	302	31068
210080	Bending, folding, straight. or flat. mach., incl presses, NC	265	24808
290030	Press brakes, non-NC	122	3598
290040	Bending rolls, non-NC	54	1832
290050	Bending, folding, straight., or flat., n.e.c., non-NC	1189	37728
310080	Shearing machines, NC	96	7614
390050	Shearing machines, non-NC	354	10364
410080	Punching or notching mach., incl. comb. punch & shear, NC	132	18489
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	775	18046
910060	Hydraulic presses, NC	26	964
910090	Hydraulic presses, non-NC	593	19171
990030	Presses, n.e.c., NC	193	11570
990040	Presses, mechanical, non-NC	145	14271
990060	Presses, n.e.c., non-NC	900	40722
8463100080	Draw benches for bars, tubes, profiles, wire or the like	234	7295
200080	Thread rolling machines	57	1749
300080	Machines for working wire	751	22544
900080	Metal forming machine tools, n.e.c.	1535	97749
9800000002	Used or rebuilt machine tools	3207	65970
9900000002	Machine tools valued at less than $3,025	15411	12056
	Y-T-D Forming Total	26768	478353
	NC Y-T-D Forming Total	712	63445
	Cutting and Forming Totals:		
	Y-T-D Total	86061	1076140
	NC Y-T-D Total*	2485	304298

Other Manufacturing Technology		TOTAL YTD	
		UNITS	$000
1000000000	Machine tool parts and accessories	0	675905
2000000000	Parts for working rubber or plastics - heading 8477	0	255532
2710003070	Quenching or cutting oils	0	6874
8428900010	Industrial robots for lifting, handling, loading or unload	710	9564
8431390090	Parts industrial robots, handling and loading - heading 8428	0	97270
8456100000	Laser, light or photon beam for working any material	565	34149
200000	Ultrasonic process for working any material	70	3970
8477106010	Injection molding mach., for rubber or oth. thermosetting	251	19596
106070	Injection molding machines, for thermoplastics	533	56080
200005	Extruders; rubber or other thermosetting mat., single screw	126	9003
200015	Extruders; rubber or thermosetting, other incl. multi. screw	130	11071
200030	Extruders; thermoplastics, single screw	496	28575
200060	Extruders; thermoplastics, other incl. multi. screw	99	9268
300000	Blow molding machines	599	37077
400000	Vacuum-molding and other thermoforming machines	1237	9535
510010	Machines for molding or retreading pneumatic tires	2630	18241
510090	Machines for molding or otherwise forming inner tubes	670	13093
590000	Machines for molding or otherwise forming n.e.c.	1850	32223
800000	Machines for working rubber or plastics n.e.c.	4595	89459
8479899040	Industrial robots, n.e.c.	5728	69263
908040	Industrial robot parts	0	37355
8537100030	Numerical controls for controlling machine tools	1597	22996
9024100000	Machines and appliances for testing metals	0	68988
9031100000	Machines for balancing mechanical parts	0	30800
300000	Profile projectors	0	5223
9032810040	Industrial process control instr., hydraulic or pneumatic	841922	50668

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 91 - December 91

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	2	3	3	772	7	565
8462100030	0	0	0	0	1	980	3	2011	1	509
100050	2	148	3	125	3	812	0	0	26	4365
210080	4	123	0	0	6	261	10	795	41	5286
290030	0	0	0	0	0	0	0	0	40	620
290040	1	8	0	0	0	0	0	0	21	335
290050	77	982	2	19	21	670	24	856	273	5255
310080	0	0	3	99	0	0	0	0	13	1261
390050	2	29	0	0	13	89	0	0	91	1416
410080	1	118	0	0	0	0	2	123	17	3129
490050	21	593	0	0	20	208	33	408	129	2041
910060	0	0	0	0	0	0	1	15	1	185
910090	6	68	0	0	5	300	4	237	25	1014
990030	0	0	0	0	20	568	11	990	13	416
990040	0	0	2	101	0	0	18	1223	4	88
990060	8	519	0	0	1	20	7	253	41	590
8463100080	4	93	0	0	2	35	0	0	22	1665
200080	2	45	0	0	0	0	1	33	3	224
300080	12	265	1	38	2	42	12	156	53	1664
900080	33	6269	2	34	42	1526	5	59	126	2114
9800000002	15	132	1	10	6	958	14	131	448	9470
9900000002	368	273	9	8	273	175	95	85	1869	1845
Y-T-D Tot	556	9666	23	434	417	5846	243	8148	3264	44056
NC YTD Tot	5	241	3	99	26	829	24	1923	85	10277
C&F YTD	1628	13920	139	1264	1431	16140	1646	19914	8982	134554
C&F NC YTD*	14	1527	3	99	74	6347	54	6175	435	57869

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
1000000000	0	10316	0	2989	0	9498	0	13253	0	127686
2000000000	0	3019	0	4686	0	5623	0	6992	0	63730
2710003070	0	115	0	0	0	250	0	38	0	1363
8428900010	0	0	0	0	4	32	14	112	129	1576
8431390090	0	3484	0	46	0	2655	0	380	0	10866
8456100000	6	141	1	12	6	100	1	103	40	2074
200000	0	0	0	0	2	54	0	0	7	2403
8477106010	2	176	0	0	2	676	1	97	15	698
106070	6	385	1	100	6	427	48	4883	84	12680
200005	0	0	0	0	0	0	13	318	25	1972
200015	0	0	0	0	0	0	0	0	81	8147
200030	10	562	3	326	37	2003	3	98	0	0
200060	2	43	2	42	1	1776	0	0	10	1513
300000	1	3	0	0	79	1686	18	833	19	7585
400000	5	88	0	0	0	0	4	137	107	2359
510010	417	323	0	0	59	457	77	1755	83	2191
510090	11	98	11	275	18	348	9	683	0	0
590000	88	1022	7	161	45	716	14	284	81	2201
800000	23	290	7	110	15	358	38	1673	1528	30505
8479899040	65	468	0	0	9	65	8	21	3598	29122
908040	0	174	0	18	0	202	0	454	0	15257
8537100030	9	118	2	16	9	133	32	480	118	1322
9024100000	0	538	0	95	0	367	0	1023	0	6255
9031100000	0	269	0	0	0	0	0	127	0	11584
300000	0	35	0	0	0	34	0	30	0	251
9032810040	7382	596	6284	375	18981	1105	1720	347	36165	3839

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 91 - December 91

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	18	1093	13	137	90	1042	12	119	1	19
8462100030	0	0	1	679	14	2194	0	0	0	0
100050	6	419	79	5768	20	1759	0	0	0	0
210080	15	1211	2	607	10	967	1	29	1	23
290030	0	0	0	0	0	0	0	0	10	1134
290040	0	0	0	0	3	383	0	0	0	0
290050	4	118	14	462	44	1601	3	68	18	466
310080	0	0	0	0	4	802	0	0	0	0
390050	2	127	4	313	11	234	0	0	0	0
410080	2	323	4	522	8	1195	1	140	0	0
490050	33	1180	3	217	90	1993	1	8	75	872
910060	2	17	1	8	2	119	0	0	0	0
910090	10	438	8	134	31	1176	1	11	35	1150
990030	9	1037	30	1784	13	981	0	0	0	0
990040	8	969	2	1006	37	2051	0	0	1	1214
990060	1	301	25	1294	61	11688	0	0	1	243
8463100080	2	10	3	53	53	559	0	0	1	14
200080	0	0	6	139	9	374	0	0	0	0
300080	4	54	57	1354	89	4110	0	0	3	85
900080	57	16421	52	6950	66	6897	43	695	10	702
9800000002	181	8927	52	1403	55	1059	0	0	5	61
9900000002	47	29	619	448	1266	937	129	66	23	19
Y-T-D Tot	401	32673	975	23279	1976	42123	191	1136	184	6004
NC YTD Tot	28	2588	37	2922	37	4064	2	170	1	23
C&F YTD	1164	70703	2475	41805	5370	100169	1146	14821	286	10833
C&F NC YTD*	114	29689	97	10772	269	35930	15	2635	5	772

Other Manufacturing Technology

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	8176	0	30067	0	71142	0	5613	0	2609
2000000000	0	1663	0	7062	0	15817	0	1881	0	2369
2710003070	0	17	0	117	0	76	0	5	0	413
8428900010	21	1654	127	756	31	168	0	0	0	0
8431390090	0	1614	0	1789	0	2342	0	270	0	2759
8456100000	3	76	31	2621	50	3232	2	197	3	83
200000	0	0	5	191	0	0	1	15	0	0
8477106010	1	165	9	1336	10	879	0	0	0	0
106070	18	851	9	818	42	3468	3	339	0	0
200005	0	0	0	0	10	274	1	694	0	0
200015	0	0	0	0	2	329	0	0	0	0
200030	4	2874	47	1222	66	1980	1	893	0	0
200060	0	0	0	0	6	236	0	0	0	0
300000	4	65	8	3965	48	1159	0	0	0	0
400000	24	281	117	398	37	105	1	62	3	73
510010	0	0	23	99	2	58	25	480	0	0
510090	1	1650	1	4	21	1284	4	437	15	5
590000	15	751	60	866	84	1511	26	75	37	3367
800000	227	9224	39	988	144	2174	163	1020	3	86
8479899040	22	272	294	5547	546	11717	2	32	1	20
908040	0	179	0	770	0	2307	0	20	0	0
8537100030	20	423	176	2461	189	2803	0	0	0	0
9024100000	0	5177	0	1548	0	6176	0	834	0	31
9031100000	0	230	0	458	0	361	0	1891	0	3
300000	0	0	0	134	0	214	0	0	0	0
9032810040	4364	2352	35742	4381	65908	4240	6143	400	3099	155

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 91 - December 91

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	10	109	9	101	2	29	41	448	33	764
8462100030	4	3230	24	11132	4	891	0	0	4	219
100050	15	1408	12	2790	33	3326	1	69	25	2875
210080	2	54	13	728	12	2704	5	187	40	3777
290030	0	0	3	103	0	0	0	0	44	725
290040	6	60	0	0	0	0	1	20	7	451
290050	2	415	42	1129	17	731	3	116	181	8016
310080	0	0	30	1685	1	75	0	0	23	2367
390050	5	39	10	203	29	434	3	40	101	3817
410080	1	71	2	2052	9	1483	0	0	16	2383
490050	16	437	19	471	25	294	1	7	123	2555
910060	2	32	0	0	3	110	0	0	7	177
910090	7	272	12	396	14	1540	1	19	295	4709
990030	3	721	9	1111	19	608	0	0	1	15
990040	1	393	4	272	0	0	0	0	23	2963
990060	5	133	97	5301	25	3400	2	485	476	7024
8463100080	1	23	13	338	0	0	0	0	22	365
200080	0	0	17	443	3	43	0	0	9	244
300080	11	320	43	1524	24	2215	0	0	87	1433
900080	15	619	188	6616	290	21387	6	251	113	1683
9800000002	130	2137	77	6193	131	4931	1	6	1210	13391
9900000002	365	158	1313	713	467	373	145	73	2685	2448
Y-T-D Tot	601	10631	1937	43300	1108	44573	210	1721	5525	62399
NC YTD Tot	8	877	54	5577	44	4980	5	187	87	8719
C&F YTD	1556	26425	7888	94442	4741	93207	514	4786	16438	124866
C&F NC YTD*	48	6099	186	20374	113	17191	12	414	311	32058

Other Manufacturing Technology

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	18225	0	64548	0	26294	0	4640	0	47295
2000000000	0	3513	0	12758	0	11372	0	2379	0	21959
2710003070	0	23	0	579	0	267	0	17	0	347
8428900010	5	1934	79	377	60	1299	0	0	61	1049
8431390090	0	128	0	3527	0	3015	0	194	0	4420
8456100000	22	1502	112	9487	16	1818	0	0	16	1387
200000	8	170	7	127	0	0	0	0	5	117
8477106010	0	0	5	351	2	727	1	85	152	9582
106070	5	343	19	2314	16	4121	1	102	92	10646
200005	1	70	9	384	9	1093	0	0	44	3284
200015	0	0	8	400	0	0	16	400	7	887
200030	7	1543	26	1729	25	1033	2	49	88	5049
200060	3	80	13	825	0	0	4	105	27	2500
300000	25	1089	5	50	26	683	0	0	130	5933
400000	15	128	239	549	174	1524	0	0	146	2352
510010	25	742	29	707	66	1812	6	119	127	2684
510090	15	358	8	1433	15	370	0	0	61	1389
590000	70	1202	225	2508	22	344	15	80	269	1922
800000	50	1077	124	1681	96	2233	29	1749	808	15106
8479899040	167	3513	109	1220	28	593	4	56	105	4215
908040	0	1157	0	5052	0	400	0	14	0	1469
8537100030	47	730	43	599	76	967	15	207	23	328
9024100000	0	1876	0	13893	0	5149	0	199	0	2660
9031100000	0	88	0	898	0	8012	0	40	0	2428
300000	0	903	0	607	0	876	0	308	0	450
9032810040	32499	4336	18274	1767	18354	1528	9558	505	14581	1578

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 91 - December 91

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	9	81	20	238	0	0	0	0	25	267
8462100030	3	1243	1	582	0	0	0	0	0	0
100050	2	130	7	706	4	218	0	0	0	0
210080	0	0	9	556	6	283	2	106	11	780
290030	0	0	1	56	0	0	0	0	3	105
290040	0	0	1	23	0	0	0	0	1	23
290050	19	349	22	591	0	0	18	353	12	428
310080	6	466	5	237	0	0	0	0	0	0
390050	3	55	33	588	0	0	0	0	1	10
410080	13	1619	4	426	0	0	1	75	36	3144
490050	4	34	11	124	4	328	11	141	11	124
910060	0	0	0	0	0	0	0	0	0	0
910090	10	95	2	45	9	300	1	14	12	259
990030	1	47	0	0	0	0	0	0	2	107
990040	2	211	6	267	0	0	0	0	14	671
990060	15	798	7	163	0	0	3	41	9	1285
8463100080	1	207	1	6	24	2400	23	605	0	0
200080	0	0	1	16	0	0	0	0	0	0
300080	5	78	7	101	17	486	25	501	2	41
900080	75	3697	17	405	2	229	4	62	22	2911
9800000002	6	362	58	823	11	516	24	675	10	952
9900000002	681	473	359	255	92	78	270	215	140	98
Y-T-D Tot	855	9946	572	6210	169	4837	382	2787	311	11205
NC YTD Tot	20	2132	18	1219	6	283	3	181	49	4031
C&F YTD	1518	14740	3841	15096	589	9825	1226	8184	1881	22283
C&F NC YTD*	37	4452	45	3804	14	1124	27	2776	77	7868

Other Manufacturing Technology

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	11820	0	13050	0	5127	0	8180	0	20876
2000000000	0	5208	0	3748	0	3302	0	1937	0	5011
2710003070	0	6	0	193	0	34	0	29	0	463
8428900010	7	43	7	25	9	92	82	41	1	43
8431390090	0	1668	0	1755	0	365	0	535	0	1099
8456100000	14	864	7	162	2	168	10	417	26	2794
200000	0	0	2	32	3	64	0	0	3	62
8477106010	4	196	8	575	1	203	0	0	3	131
106070	3	236	13	1031	2	83	5	426	0	0
200005	0	0	0	0	0	0	0	0	2	73
200015	3	62	0	0	0	0	0	0	0	0
200030	8	203	1	500	0	0	0	0	6	2516
200060	0	0	1	680	0	0	1	14	0	0
300000	1	25	2	4	2	297	3	6	13	251
400000	2	27	131	625	2	24	0	0	39	12
510010	717	1000	1	10	27	572	0	0	0	0
510090	1	7	17	21	0	0	0	0	40	160
590000	29	281	5	68	49	384	15	248	197	5495
800000	159	1456	65	972	11	1103	4	75	48	1174
8479899040	52	336	35	1524	7	45	97	1773	8	1009
908040	0	176	0	2207	0	42	0	2246	0	287
8537100030	14	158	109	1614	14	148	3	31	16	187
9024100000	0	1097	0	1085	0	1198	0	655	0	1853
9031100000	0	23	0	836	0	687	0	28	0	167
300000	0	182	0	200	0	6	0	51	0	440
9032810040	87308	5930	31723	2092	42723	2255	6678	409	6813	954

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 91 - December 91

Metal Forming	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	6	33	4	475	0	0	12	106	50	677
8462100030	0	0	0	0	0	0	0	0	0	0
8462100050	7	2296	14	1033	0	0	3	197	40	2624
8462210080	6	638	19	855	0	0	1	32	49	4804
8462290030	0	0	7	280	0	0	4	210	10	364
8462290040	0	0	1	72	0	0	0	0	12	459
8462290050	4	181	283	8647	0	0	3	48	103	6228
8462310080	2	100	1	32	3	155	4	201	1	134
8462390050	1	10	2	744	2	27	2	13	39	2176
8462410080	1	176	9	860	0	0	0	0	5	651
8462490050	17	240	39	1829	4	267	1	7	84	3668
8462910060	0	0	0	0	0	0	1	41	6	259
8462910090	0	0	26	1872	0	0	7	200	72	4924
8462990030	6	534	27	685	0	0	0	0	29	1965
8462990040	0	0	13	1037	0	0	0	0	10	1803
8462990060	7	342	36	4006	0	0	5	131	68	2705
8463100080	17	206	29	484	0	0	0	0	16	232
8463200080	0	0	2	42	0	0	0	0	4	145
8463300080	38	2048	52	1046	1	26	11	516	195	4443
8463900080	23	2216	114	3533	0	0	9	168	221	12303
9800000002	89	1218	72	1212	0	0	56	1252	555	10951
9900000002	268	237	958	832	0	0	325	178	2645	2040
Y-T-D Tot	492	10475	1708	29575	10	475	444	3299	4214	63555
NC YTD Tot	15	1447	56	2432	3	155	6	274	90	7814
C&F YTD	1541	15800	6122	58435	195	19801	1912	14276	11831	121851
C&F NC YTD*	33	2553	202	15158	8	611	25	2222	266	27779
Other Manufacturing Technology										
1000000000	0	7263	0	51777	0	1124	0	12043	0	102295
2000000000	0	3273	0	12756	0	0	0	5838	0	49638
2710003070	0	103	0	50	0	88	0	228	0	2053
8428900010	0	0	19	198	0	0	0	0	54	164
8431390090	0	8770	0	4153	0	87	0	7236	0	34112
8456100000	0	0	33	1209	0	0	61	1821	98	3880
8456200000	19	519	3	80	0	0	0	0	5	134
8477106010	0	0	3	740	0	0	7	903	25	2076
8477106070	2	100	20	4750	0	0	15	914	123	7062
8477200005	0	0	0	0	0	0	7	173	5	667
8477200015	1	139	0	0	0	0	1	110	11	597
8477200030	3	202	31	1108	12	295	13	689	103	3702
8477200060	1	15	6	135	0	0	0	0	22	1301
8477300000	12	460	79	6540	0	0	3	59	121	6383
8477400000	0	0	90	54	0	0	0	0	101	739
8477510010	10	339	18	503	0	0	51	192	867	4198
8477510090	108	94	25	1092	0	0	1	119	288	3266
8477590000	4	51	331	7119	0	0	6	10	156	1558
8477800000	38	546	206	5402	0	0	57	1208	713	9249
8479899040	1	42	308	3722	1	47	44	409	217	3495
8479908040	0	10	0	3647	0	0	0	306	0	962
8537100030	9	105	470	7164	0	0	4	66	199	2936
9024100000	0	813	0	6881	0	275	0	252	0	9058
9031100000	0	202	0	439	0	0	0	349	0	1680
9031300000	0	0	0	180	0	0	0	17	0	306
9032810040	201292	678	59950	4433	149	37	7424	525	118808	5850

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 - December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	2	315	1	12	3	327
Czechoslovakia	1	10	2	180	3	190
Denmark	155	1778	102	459	257	2236
Finland	165	278	73	1313	238	1591
Greece	23	68	225	1363	248	1431
Hungary	55	670	3	73	58	743
Iceland	55	14	15	13	70	26
Ireland	92	3298	126	8224	218	11523
Luxembourg	2	3	16	129	18	132
Norway	270	1651	125	63	395	1714
Poland	10	768	11	1720	21	2488
Portugal	61	429	72	1566	133	1995
Romania	74	631	1	25	75	656
Sweden	332	4171	293	1317	625	5488
Turkey	126	3466	111	6308	237	9774
Yugoslavia	2	24	7	609	9	633
Oth Europe	18	98	10	35	28	133
TOTAL	14948	184526	8309	153342	23257	337868
NORTH AND CENTRAL AMERICA						
Bahamas	15	58	1	15	16	73
Barbados	20	8	105	333	125	341
Belize	9	13	0	0	9	13
Bermuda	2	4	5	4	7	8
Costa Rica	349	960	77	589	426	1549
Dominican Rep	46	210	29	47	75	258
El Salvador	12	34	11	259	23	293
Guatemala	52	227	46	826	98	1053
Haiti	0	0	3	18	3	18
Honduras	175	251	106	618	281	869
Jamaica	546	26	11	253	557	279
Panama	44	164	66	881	110	1045
Trinidad	17	151	67	282	84	433
Oth N & C Am.	47	253	20	251	67	504
TOTAL	17965	155325	9336	110832	27301	266156
SOUTH AMERICA						
Argentina	202	13812	190	1725	392	15537
Bolivia	9	10	4	6	13	16
Chile	350	4054	183	3083	533	7138
Colombia	181	1229	150	1714	331	2943
Ecuador	127	195	92	452	219	647
Paraguay	0	0	0	0	0	0
Peru	85	1388	118	263	203	1651
Uruguay	31	46	1	37	32	84
Oth South Am.	1	15	1	13	2	28
TOTAL	3857	43493	1426	18741	5283	62234
OCEANIA						
New Zealand	201	590	49	783	250	1374
Oth Oceania	34	204	11	187	45	391
TOTAL	1307	5048	616	10636	1923	15685

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 - December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	48	9	0	0	48	9
Hong Kong	1444	6104	361	4942	1805	11046
Iran	5	104	3	127	8	231
Iraq	0	0	0	0	0	0
Israel	312	1805	136	2113	448	3918
Jordan	15	20	4	63	19	84
Kuwait	203	373	12	127	215	500
Laos	0	0	0	0	0	0
Lebanon	6	18	0	0	6	18
Macao	0	0	0	0	0	0
Oman	19	85	23	54	42	139
Pakistan	10	111	18	543	28	655
Philippines	160	748	271	6353	431	7101
Qatar	20	28	0	0	20	28
Saudi Arabia	450	3170	315	5829	765	8999
Sri Lanka	1	5	0	0	1	5
Syria	0	0	3	264	3	264
United Arab Emr	196	762	111	288	307	1050
Vietnam	0	0	0	0	0	0
Oth Asia	99	31	17	197	116	228
TOTAL	20584	198045	6680	178198	27264	376243
AFRICA						
Algeria	5	590	13	639	18	1229
Botswana	0	0	0	0	0	0
Egypt	208	7858	28	1635	236	9493
Ethiopia	0	0	1	9	1	9
Gabon	0	0	0	0	0	0
Ghana	33	100	8	875	41	975
Guinea	0	0	0	0	0	0
Kenya	0	0	1	27	1	27
Malawi	1	20	0	0	1	20
Mauritius	0	0	10	616	10	616
Morocco	0	0	14	12	14	12
Niger	0	0	0	0	0	0
Nigeria	81	1011	98	533	179	1543
South Africa	251	1598	191	1349	442	2947
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	1	36	1	36
Zaire	0	0	1	205	1	205
Zambia	0	0	9	122	9	122
Zimbabwe	12	52	1	15	13	67
Oth Africa	41	119	25	532	66	652
TOTAL	632	11349	401	6605	1033	17954

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - January 91 - December 91

RELEASED: March 4, 1992

		TOTAL YTD	
		UNITS	$000
8456301020	Traveling wire electro-discharge machines	719	56119
301050	Electro-discharge machines, n.e.c., NC	225	18553
301070	Electro-discharge machines, n.e.c., non-NC	294	4170
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	1817	150922
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	121	18611
100035	Horizontal machining centers, ATC	482	107222
100045	Machining centers, n.e.c.	216	35862
200010	Unit construction mach. (single station transfer), NC	34	7784
200090	Unit construction mach. (single station transfer), non-NC	7	1968
300010	Multi-station transfer machines, NC	52	80322
300090	Multi-station transfer machines, non-NC	102	126767
8458110010	Horizontal lathes, multiple spindle, NC	282	45024
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1724	130759
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	396	56599
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	59	21375
190030	Horizontal engine or toolroom lathes, non-NC	3362	31047
190050	Automatic bar and/or chucking mach., single spindle, non-NC	323	7782
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	50	5651
190090	Horizontal lathes, n.e.c., non-NC	433	16667
911060	Vertical turret lathes, multiple spindle, NC	28	8609
911080	Vertical turret lathes, n.e.c., NC	48	14097
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	14	2952
915070	Vertical lathes, excluding VTL's, n.e.c., NC	26	5330
991050	Vertical turret lathes, non-NC	93	4579
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	484	13503
8459100000	Way-type unit head machines	7	1038
210080	Other drilling machines, NC	377	25985
290040	Drilling machines, multiple spindle, non-NC	20	2017
290050	Drilling machines, radial, non-NC	268	2716
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	45	435
290090	Drilling machines, n.e.c., non-NC	353	9743
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	16	6726
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	73	13910
310070	Boring-milling machines, n.e.c., NC	24	6113
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	271
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	89	5436
400040	Boring machines, vertical, NC	10	1326
400050	Boring machines, vertical, non-NC	40	779
400070	Boring machines, n.e.c., NC	25	13378
400080	Boring machines, n.e.c., non-NC	357	6750
510080	Milling machines, knee type, NC	313	5921
590030	Milling machines, knee type, non-NC	2086	17256
610080	Milling machines, excluding knee type, n.e.c., NC	458	34883
690050	Milling machines, profile, dup., or die sinking, non-NC	36	740
690070	Milling machines, bed type, non-NC	27	765
690090	Milling machines, n.e.c., non-NC	361	11938
700020	Threading or tapping machines, n.e.c., NC	261	13397
700080	Threading or tapping machines, n.e.c., non-NC	174	5718
8460110080	Flat surface grinding machines, NC	107	12831
190010	Flat surface grinding mach., recip.-table type, non-NC	390	5432
190050	Flat surface grinding machines, n.e.c., non-NC	1164	13719
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	473	83804
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	350	13928
290030	Grinding machines, internal cylindrical, non-NC	133	6426
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	721	30498
310080	Sharpening machines (tool & cutter grinding), NC	163	6928
390050	Sharpening machines (tool & cutter grinding), non-NC	571	7802
400060	Honing or lapping machines, NC	30	3622
400080	Honing or lapping machines, non-NC	226	15693
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	95	5557
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1203	32809
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	9	52
200010	Shaping or slotting machines, NC	6	555
200090	Shaping or slotting machines, non-NC	52	3795
300060	Broaching machines, NC	5	2814
300080	Broaching machines, non-NC	12	4779
401020	Gear cutting for bevel gears	13	1070
401030	Gear hobbers	148	19211
401040	Gear shapers	38	4276
401060	Gear cutting machines, n.e.c.	130	2470
405050	Gear grinding or finishing for bevel gears	4	473
405070	Gear grinding or finishing machines, n.e.c.	44	16805
500050	Sawing or cutting-off machines, NC	103	11115
500090	Sawing or cutting-off machines, non-NC	1422	30333
9000000001	Metal cutting machine tools, n.e.c.	254	14943
9800000001	Used or rebuilt machine tools	3663	49343
9900000001	Machine tools valued at less than $3,025	913760	84833
	Y-T-D Cutting Total	942104	1645431
	NC Y-T-D Cutting Total	8813	1014545

Please see notes on last page
of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 91 - December 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	7	3020
301070	0	0	1	15	2	67	0	0	9	1168
8457100015	0	0	0	0	1	9	7	602	28	5275
100025	0	0	0	0	0	0	0	0	13	1604
100035	0	0	0	0	0	0	0	0	21	6796
100045	0	0	0	0	7	1004	3	365	29	9204
200010	0	0	0	0	0	0	2	760	4	3779
200090	0	0	0	0	1	426	0	0	4	1238
300010	0	0	0	0	15	2989	0	0	9	8912
300090	0	0	0	0	4	1689	0	0	44	105996
8458110010	0	0	29	2024	0	0	0	0	31	7807
110030	3	252	0	0	0	0	3	402	12	1770
110050	0	0	0	0	0	0	20	2671	15	2267
110090	0	0	0	0	0	0	0	0	14	8665
190030	0	0	388	3567	2	16	7	131	0	0
190050	0	0	7	137	0	0	0	0	11	2459
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	21	166	1	5	3	34	5	6720
911060	0	0	0	0	0	0	0	0	1	1189
911080	0	0	0	0	0	0	12	3815	6	1490
915050	0	0	0	0	0	0	0	0	1	66
915070	0	0	0	0	3	81	0	0	2	2242
991050	0	0	0	0	0	0	6	584	0	0
995090	0	0	197	1504	5	194	0	0	28	1432
8459100000	0	0	0	0	0	0	0	0	1	554
210080	0	0	0	0	1	199	1	108	12	1884
290040	0	0	0	0	2	15	0	0	0	0
290050	0	0	22	256	2	21	0	0	3	55
290070	0	0	0	0	1	160	0	0	9	80
290090	1	239	9	102	14	1059	4	2132	11	1819
310010	0	0	0	0	0	0	0	0	2	1783
310040	0	0	0	0	0	0	0	0	27	6906
310070	0	0	0	0	4	20	0	0	9	1676
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	9	0	0	26	3554
400040	0	0	0	0	0	0	0	0	1	130
400050	0	0	0	0	1	31	0	0	0	0
400070	0	0	0	0	5	73	0	0	5	2991
400080	0	0	0	0	47	544	226	3790	33	1210
510080	0	0	0	0	1	122	0	0	2	8
590030	0	0	0	0	1	6	3	364	19	304
610080	0	0	1	6	7	1836	1	164	31	9133
690050	0	0	0	0	0	0	2	11	1	8
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	7	138	1	118	27	1785
700020	0	0	0	0	1	12	0	0	5	991
700080	1	5	0	0	1	149	0	0	26	718
8460110080	1	9	0	0	1	3	0	0	51	6050
190010	0	0	9	195	0	0	0	0	3	515
190050	0	0	1	21	19	77	4	102	13	1053
210080	0	0	1	133	1	233	0	0	139	18743
290010	0	0	0	0	110	927	0	0	70	927
290030	0	0	0	0	0	0	0	0	14	2269
290050	1	2	0	0	71	223	7	37	247	7325
310080	0	0	0	0	7	360	1	2	56	1441
390050	1	25	0	0	52	221	2	45	137	2107
400060	0	0	0	0	0	0	0	0	16	1867
400080	0	0	0	0	14	100	0	0	66	9640
900060	0	0	0	0	1	71	0	0	1	101
900080	2	13	0	0	27	395	29	108	158	8161
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	6	0	0	1	7	0	0	0	0
200010	0	0	0	0	0	0	0	0	4	339
200090	0	0	0	0	17	74	0	0	5	86
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	2	25	0	0	0	0
401020	0	0	0	0	0	0	0	0	2	547
401030	0	0	0	0	0	0	0	0	108	15469
401040	0	0	0	0	0	0	0	0	13	3172
401060	0	0	0	0	0	0	0	0	6	225
405050	0	0	0	0	0	0	0	0	0	0
405070	1	755	0	0	0	0	0	0	21	8276
500050	1	142	0	0	2	53	1	28	24	9531
500090	0	0	0	0	317	4261	20	530	318	12009
9000000001	0	0	2	34	18	187	17	113	52	4592
9800000001	54	369	6	128	251	1086	22	651	311	11479
9900000001	59	30	3	7	5025	983	2337	1372	5645	2708
Y-T-D Tot	126	1845	697	8294	6073	20158	2741	19039	8024	347320
NC YTD Tot	5	403	31	2163	57	7064	51	8917	587	129767

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 91 – December 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	454	37191	0	0	0	0	0	0
301050	0	0	147	12054	0	0	0	0	0	0
301070	0	0	33	826	0	0	2	19	0	0
8457100015	3	890	1190	110078	22	1227	152	7328	0	0
100025	1	744	59	12131	0	0	2	109	0	0
100035	0	0	434	95566	14	987	0	0	0	0
100045	28	10619	26	4981	4	221	0	0	0	0
200010	1	1047	8	390	19	1809	0	0	0	0
200090	0	0	2	305	0	0	0	0	0	0
300010	3	1326	24	67002	0	0	0	0	0	0
300090	9	7324	11	3603	0	0	0	0	0	0
8458110010	0	0	209	33362	2	108	0	0	0	0
110030	1	124	1296	107817	78	4500	0	0	0	0
110050	0	0	330	48699	15	1435	0	0	2	232
110090	1	285	35	9092	0	0	0	0	0	0
190030	0	0	17	462	105	1076	233	3004	98	941
190050	0	0	3	365	0	0	0	0	1	103
190070	0	0	6	1094	0	0	0	0	0	0
190090	3	80	72	4835	0	0	0	0	3	111
911060	0	0	27	7420	0	0	0	0	0	0
911080	7	3346	17	4790	2	241	0	0	1	76
915050	0	0	9	2344	0	0	0	0	0	0
915070	5	677	14	1558	0	0	0	0	0	0
991050	18	1224	17	1963	0	0	0	0	26	176
995090	3	1016	15	779	88	4889	0	0	1	34
8459100000	1	187	2	116	0	0	0	0	0	0
210080	0	0	356	23349	1	189	0	0	0	0
290040	2	41	14	1930	0	0	0	0	0	0
290050	9	181	21	586	3	75	0	0	9	241
290070	0	0	7	94	0	0	0	0	1	6
290090	4	409	57	1894	1	128	0	0	206	1146
310010	3	1692	10	3096	0	0	0	0	0	0
310040	0	0	2	696	0	0	0	0	0	0
310070	1	329	2	722	0	0	0	0	0	0
390040	0	0	1	247	0	0	0	0	0	0
390050	10	158	5	805	0	0	0	0	2	173
400040	0	0	3	948	0	0	0	0	0	0
400050	34	484	2	172	0	0	0	0	0	0
400070	3	2109	12	8205	0	0	0	0	0	0
400080	31	506	4	555	1	3	0	0	0	0
510080	1	397	4	1600	0	0	5	181	167	1080
590030	6	735	24	894	0	0	1	24	1028	8053
610080	1	347	48	10192	0	0	10	383	0	0
690050	1	64	0	0	0	0	0	0	0	0
690070	0	0	9	444	0	0	0	0	0	0
690090	2	204	20	3610	0	0	0	0	34	744
700020	0	0	212	11301	0	0	0	0	0	0
700080	5	470	42	2241	0	0	0	0	2	161
8460110080	12	208	24	5135	0	0	0	0	0	0
190010	9	237	25	1553	0	0	174	1772	0	0
190050	6	181	24	522	0	0	0	0	8	889
210080	2	811	257	47350	0	0	0	0	0	0
290010	3	46	56	5620	0	0	0	0	1	40
290030	0	0	8	665	0	0	0	0	0	0
290050	27	2523	132	11826	1	2	0	0	3	541
310080	4	27	27	1914	0	0	0	0	0	0
390050	23	170	63	2203	0	0	0	0	1	60
400060	0	0	13	1746	0	0	0	0	0	0
400080	2	39	56	2941	0	0	0	0	0	0
900060	2	674	37	4129	0	0	0	0	0	0
900080	132	4914	390	11379	0	0	0	0	14	1229
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	2	216	0	0	0	0	0	0
200090	2	52	24	3080	0	0	0	0	0	0
300060	0	0	2	341	0	0	0	0	0	0
300080	0	0	4	2136	0	0	0	0	0	0
401020	10	4	0	0	0	0	0	0	0	0
401030	0	0	12	2642	4	176	0	0	0	0
401040	0	0	18	999	0	0	0	0	0	0
401060	5	8	5	360	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	2	162	8	1611	0	0	0	0	0	0
500050	29	573	5	408	0	0	0	0	0	0
500090	96	2011	290	8163	0	0	0	0	8	84
9000000001	19	344	69	7152	11	55	0	0	1	5
9800000001	59	893	664	13865	4	95	19	432	15	160
9900000001	31957	5356	50739	8050	21395	1953	499	84	111	82
Y-T-D Tot	32598	56249	58266	788402	21770	19168	1097	13335	1744	16367
NC YTD Tot	112	26447	5302	677646	157	10717	169	8001	170	1389

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 91 – December 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	105	13587	36	252	1	217	123	4873
301050	0	0	35	2449	18	240	0	0	18	790
301070	2	23	26	673	124	1145	1	40	94	194
8457100015	3	788	0	0	141	9147	180	11937	90	3644
100025	0	0	0	0	35	3639	0	0	11	384
100035	0	0	2	432	4	540	5	2541	2	360
100045	1	416	4	1944	2	420	27	1993	85	4696
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	1	93	0	0	0	0	0	0
300090	0	0	29	6050	0	0	1	1687	4	417
8458110010	0	0	1	632	4	245	3	742	3	105
110030	0	0	40	3829	119	5787	66	3779	106	2498
110050	0	0	0	0	6	380	5	747	3	167
110090	2	2452	4	336	0	0	2	168	1	378
190030	3	30	1	4	852	6946	248	3944	1408	10926
190050	0	0	17	1912	216	1582	9	546	59	678
190070	0	0	24	4153	1	33	5	105	14	267
190090	0	0	2	98	89	668	85	2205	149	1745
911060	0	0	0	0	0	0	0	0	0	0
911080	1	255	1	65	0	0	1	18	0	0
915050	1	368	3	175	0	0	0	0	0	0
915070	0	0	0	0	0	0	2	771	0	0
991050	0	0	2	15	19	65	1	3	4	549
995090	1	4	7	1600	17	101	37	928	85	1023
8459100000	0	0	0	0	0	0	2	123	1	58
210080	0	0	0	0	2	28	0	0	4	228
290040	0	0	2	31	0	0	0	0	0	0
290050	0	0	0	0	107	657	1	8	91	636
290070	27	95	0	0	0	0	0	0	0	0
290090	5	50	4	80	2	33	16	383	19	269
310010	0	0	0	0	1	155	0	0	0	0
310040	0	0	6	3441	0	0	4	954	34	1914
310070	0	0	1	62	0	0	2	1780	5	1525
390040	0	0	0	0	0	0	1	12	2	12
390050	0	0	1	462	36	162	6	48	2	66
400040	0	0	0	0	0	0	0	0	6	248
400050	0	0	0	0	0	0	0	0	3	91
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	12	38	0	0	3	104
510080	0	0	2	318	100	1240	23	925	8	52
590030	1	41	1	5	747	4272	62	1427	193	1132
610080	0	0	8	4798	251	3434	11	3981	89	610
690050	0	0	4	553	28	104	0	0	0	0
690070	0	0	0	0	18	321	0	0	0	0
690090	0	0	6	2383	115	695	5	113	144	2149
700020	0	0	0	0	42	1050	1	44	0	0
700080	0	0	60	1447	7	61	6	138	24	328
8460110080	0	0	4	1097	2	165	9	108	3	57
190010	1	8	0	0	114	586	0	0	55	566
190050	6	1484	11	316	936	7392	24	456	112	1228
210080	6	2529	39	7533	0	0	19	6369	9	104
290010	4	154	62	5238	11	293	19	508	14	175
290030	25	986	19	1745	11	93	0	0	56	668
290050	4	1480	29	3784	65	581	73	1777	61	397
310080	0	0	29	1221	0	0	13	17	26	1945
390050	0	0	25	485	25	115	215	1792	27	581
400060	0	0	0	0	0	0	1	10	0	0
400080	5	1136	14	1141	0	0	66	675	3	20
900060	0	0	1	98	6	46	0	0	47	438
900080	8	1699	28	813	25	303	151	1013	239	2782
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	2	8	0	0	5	31	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	2	462	0	0	0	0	2	42
300060	0	0	0	0	0	0	1	2403	2	70
300080	0	0	2	35	0	0	4	2583	0	0
401020	0	0	1	518	0	0	0	0	0	0
401030	0	0	3	541	0	0	14	250	7	132
401040	0	0	0	0	0	0	0	0	7	105
401060	0	0	93	16	0	0	16	11	5	1850
405050	0	0	0	0	0	0	4	473	0	0
405070	0	0	9	5734	0	0	2	36	1	231
500050	0	0	0	0	38	274	0	0	3	107
500090	3	108	13	371	194	1345	49	277	114	1172
9000000001	1	9	30	1682	6	144	5	167	23	460
9800000001	110	1307	68	2954	1341	641	576	12407	162	2879
9900000001	2232	2109	516	325	637133	48826	961	649	155148	12299
Y-T-D Tot	2452	17531	1399	87742	643058	104241	3046	74316	159013	71424
NC YTD Tot	14	6808	294	43441	808	27067	378	39524	678	25193

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - December 91

RELEASED: March 4, 1992

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000
8454300010	Die casting machines	242	28032
8462100030	Headers and upsetters, including cold headers	71	14382
100050	Forging or die stamping machines, and hammers, n.e.c.	693	42513
210080	Bending, folding, straight. or flat. mach., incl presses, NC	519	40829
290030	Press brakes, non-NC	203	7093
290040	Bending rolls, non-NC	58	1445
290050	Bending, folding, straight., or flat., n.e.c., non-NC	927	31871
310080	Shearing machines, NC	22	3547
390050	Shearing machines, non-NC	343	12930
410080	Punching or notching mach., incl. comb. punch & shear, NC	197	30248
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	423	11171
910060	Hydraulic presses, NC	26	8462
910090	Hydraulic presses, non-NC	2159	19877
990030	Presses, n.e.c., NC	3	1451
990035	Mechanical transfer presses, non-NC	13	65212
990045	Mechanical presses, n.e.c., non-NC	190	17340
990060	Presses, n.e.c., non-NC	489	29278
8463100080	Draw benches for bars, tubes, profiles, wire or the like	133	10829
200080	Thread rolling machines	66	1886
300080	Machines for working wire	1222	53686
900080	Metal forming machine tools, n.e.c.	910	27780
9800000002	Used or rebuilt machine tools	2618	23961
9900000002	Machine tools valued at less than $3,025	14739	6485
	Y-T-D Forming Total	26266	490305
	NC Y-T-D Forming Total	767	84535
	Cutting and Forming Totals:		
	Y-T-D Total	968370	2135736
	NC Y-T-D Total	9580	1099080

Other Manufacturing Technology		TOTAL YTD UNITS	TOTAL YTD $000
1000000000	Machine tool parts and accessories	0	555073
2000000000	Parts for working rubber or plastics - heading 8477	0	324704
2710003070	Quenching or cutting oils	0	320
8428900010	Industrial robots for lifting, handling, loading or unload	1585	33187
8431390080	Parts industrial robots, handling and loading - heading 8428	0	90095
8456101010	Laser, light or photon beam for working metal, NC	178	37949
101020	Laser, light or photon beam for working metal, non-NC	115	11148
105000	Laser, light or photon beam for other materials	221	10160
201010	Ultrasonic processes for working metal, NC	0	0
201050	Ultrasonic processes for working metal, non-NC	38	151
205000	Ultrasonic processes for working other materials	65	293
8477103000	Injection molding mach., for manufacturing shoes	177	2287
106010	Injection molding mach., for rubber or oth. thermosetting	835	90109
106050	Injection molding mach., for thermoplastics	2366	206883
200005	Extruders; rubber or other thermosetting mat., single screw	41	7962
200015	Extruders; rubber or thermosetting, other incl. multi. screw	145	18075
200035	Extruders; thermoplastics, single screw, less than 6.4cm	82	2688
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	94	12662
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	69	7324
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	129	23676
300000	Blow molding machines	270	56831
400000	Vacuum-molding and other thermoforming machines	338	17296
510010	Machines for molding or retreading pneumatic tires	344	26583
510090	Machines for molding or otherwise forming inner tubes	89	5847
590000	Machines for molding or otherwise forming n.e.c.	687	34087
800000	Machines for working rubber or plastics n.e.c.	2327	146115
8479899040	Industrial robots, n.e.c.	3739	134139
908040	Industrial robot parts	0	32081
8537100030	Numerical controls for controlling machine tools	9203	33630
9024100000	Machines and appliances for testing metals	0	11177
9031100000	Machines for balancing mechanical parts	0	8323
300000	Profile projectors	0	5473
9032810020	Industrial process control instr., hydraulic	132282	3304
810060	Industrial process control instr., pneumatic	167394	5434

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - December 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	76	5468	2	218	5	1188
8462100030	2	1296	0	0	9	42	0	0	12	2302
100050	0	0	0	0	45	1458	7	666	119	9891
210080	1	561	0	0	36	4203	15	53	33	6283
290030	38	2019	0	0	130	4640	0	0	0	0
290040	0	0	0	0	22	663	1	7	5	181
290050	1	7	0	0	240	4379	3	84	81	4268
310080	0	0	0	0	0	0	1	35	2	552
390050	60	1441	0	0	47	1306	2	18	13	1136
410080	0	0	0	0	1	2	2	40	74	9121
490050	0	0	0	0	13	1063	1	6	122	3752
910060	0	0	0	0	2	531	0	0	7	6630
910090	1	31	1	24	60	4092	5	24	108	3949
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	2	18629	0	0	0	0	2	348
990045	2	159	0	0	5	91	0	0	1	155
990060	1	982	0	0	190	8218	12	232	51	7057
8463100080	14	1163	0	0	4	526	0	0	79	5208
200080	0	0	0	0	0	0	0	0	6	109
300080	23	1376	11	160	42	3244	0	0	168	13554
900080	0	0	0	0	60	804	116	883	132	9042
9800000002	43	903	31	1001	410	3445	10	195	149	3536
9900000002	10	11	1	3	733	501	88	149	295	199
Y-T-D Tot	196	9950	46	19816	2125	44674	265	2611	1464	88461
NC YTD Tot	1	561	0	0	39	4736	18	128	116	22586
C&F Y-T-D	322	11795	743	28110	8198	64832	3006	21650	9488	435781
C&F NC YTD	6	964	31	2163	96	11800	69	9045	703	152353

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	4514	0	1389	0	78556	0	12197	0	121412
2000000000	0	715	0	215	0	57712	0	27199	0	112303
2710003070	0	0	0	0	0	104	0	0	0	40
8428900010	1	53	0	0	80	1225	57	1553	48	4128
8431390080	0	35	0	330	0	19964	0	1220	0	12456
8456101010	0	0	0	0	0	0	1	413	48	6982
101020	0	0	0	0	0	0	0	0	102	6943
105000	0	0	0	0	14	2383	0	0	11	2730
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	1	17
205000	0	0	0	0	0	0	0	0	7	45
8477103000	0	0	0	0	6	17	0	0	6	283
106010	0	0	0	0	36	5338	27	3847	92	9777
106050	7	61	0	0	458	56136	3	38	550	34566
200005	0	0	0	0	1	87	0	0	19	5227
200015	0	0	1	67	11	104	3	228	53	10181
200035	0	0	0	0	32	651	0	0	6	239
200045	0	0	0	0	5	367	0	0	41	8151
200055	1	17	0	0	2	22	0	0	41	4381
200065	0	0	0	0	14	870	0	0	69	15397
300000	0	0	0	0	19	775	23	18116	35	14078
400000	1	13	0	0	8	384	1	16	96	4748
510010	0	0	0	0	113	5306	9	1404	19	14783
510090	0	0	3	64	15	128	1	8	3	345
590000	1	350	3	170	168	7472	60	1197	140	6158
800000	34	999	0	0	233	5116	36	12071	564	42199
8479899040	0	0	0	0	27	2439	22	485	48	4524
908040	0	4	0	0	0	567	0	66	0	12576
8537100030	0	0	0	0	44	348	3	7	663	783
9024100000	0	9	0	3	0	1212	0	466	0	1738
9031100000	0	0	0	0	0	448	0	3	0	820
300000	0	0	0	5	0	15	0	0	0	824
9032810020	100	516	0	0	15	56	0	0	446	268
810060	0	0	4019	20	21606	312	632	79	7975	855

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - December 91

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	20	1418	83	15794	3	189	3	616	0	0
8462100030	23	4996	19	3971	0	0	0	0	0	0
100050	32	1628	297	20378	5	173	0	0	2	4
210080	53	2954	321	21178	0	0	0	0	0	0
290030	0	0	13	206	0	0	0	0	0	0
290040	2	87	4	20	0	0	0	0	0	0
290050	88	1322	216	10501	0	0	0	0	10	247
310080	2	522	9	1407	0	0	0	0	0	0
390050	34	4659	67	2782	0	0	0	0	1	27
410080	4	753	87	12153	0	0	0	0	0	0
490050	81	1175	33	2151	0	0	0	0	108	1278
910060	10	105	2	826	0	0	1	32	0	0
910090	55	1133	307	6055	6	129	1	9	484	136
990030	0	0	2	169	0	0	0	0	0	0
990035	0	0	9	46236	0	0	0	0	0	0
990045	6	298	117	15335	0	0	0	0	0	0
990060	11	403	114	9327	0	0	1	5	4	172
8463100080	3	95	33	3837	0	0	0	0	0	0
200080	0	0	33	1296	0	0	0	0	7	236
300080	396	8030	460	16179	1	12	0	0	7	530
900080	33	2454	80	4372	0	0	1	72	32	2379
9800000002	22	1246	170	7689	4	86	0	0	3	53
9900000002	1019	459	2036	1184	20	10	0	0	400	267
Y-T-D Tot	1894	33735	4512	203044	39	599	7	733	1058	5328
NC YTD Tot	69	4333	421	35734	0	0	1	32	0	0
C&F Y-T-D	34492	89984	62778	991445	21809	19767	1104	14068	2802	21695
C&F NC YTD	181	30780	5723	713380	157	10717	170	8033	170	1389

Other Manufacturing Technology

1000000000	0	17161	0	159922	0	1669	0	2690	0	2277
2000000000	0	10898	0	70852	0	1436	0	679	0	207
2710003070	0	0	0	160	0	0	0	0	0	0
8428900010	14	1563	1219	18256	0	0	1	76	5	282
8431390080	0	2078	0	24751	0	215	0	56	0	55
8456101010	0	0	117	28264	0	0	0	0	0	0
101020	1	113	2	408	0	0	0	0	0	0
105000	2	4	6	888	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	2	6	7	44	0	0	18	15	0	0
205000	1	5	4	18	0	0	1	1	0	0
8477103000	68	1854	0	0	0	0	0	0	4	2
106010	22	3631	442	53171	7	636	5	216	4	36
106050	128	12137	736	77243	73	2213	9	60	2	116
200005	2	1147	10	1070	0	0	0	0	0	0
200015	1	20	16	4774	1	350	0	0	0	0
200035	2	222	0	0	2	39	0	0	0	0
200045	4	571	6	1243	2	10	0	0	0	0
200055	1	123	17	1361	0	0	0	0	0	0
200065	4	352	7	4716	0	0	0	0	0	0
300000	29	5357	79	16304	2	97	0	0	0	0
400000	80	2875	44	8859	0	0	0	0	5	6
510010	16	1220	72	2107	0	0	0	0	0	0
510090	12	744	24	3665	1	10	1	59	0	0
590000	29	2113	90	10394	0	0	0	0	0	0
800000	109	6650	639	45626	13	354	15	183	8	73
8479899040	6	727	2736	115549	4	44	11	270	4	38
908040	0	425	0	11953	0	4	0	2	0	0
8537100030	63	578	8214	31369	0	0	0	0	0	0
9024100000	0	658	0	1817	0	3	0	0	0	148
9031100000	0	142	0	6332	0	113	0	58	0	0
300000	0	0	0	1844	0	2	0	0	0	0
9032810020	0	0	2310	288	17990	100	0	0	0	0
810060	2663	333	1197	1628	46000	143	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - December 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	16	2721	19	44	8	148	7	227
8462100030	0	0	1	2	1	64	4	1711	0	0
100050	4	376	16	2695	44	1434	80	774	42	3039
210080	11	1829	6	203	5	77	18	2591	20	897
290030	0	0	0	0	5	29	2	8	15	192
290040	7	223	0	0	11	155	6	109	0	0
290050	113	3982	46	2226	23	389	28	2572	78	1893
310080	2	53	1	249	0	0	5	729	0	0
390050	2	208	0	0	1	6	89	848	27	500
410080	0	0	8	1621	3	77	0	0	18	6481
490050	12	187	9	497	19	329	12	339	13	394
910060	3	302	0	0	0	0	0	0	1	36
910090	4	2738	31	526	315	434	11	127	770	470
990030	0	0	0	0	0	0	1	1281	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	1	13	6	604	1	115	37	219	14	350
990060	28	215	11	57	32	1086	15	1008	19	515
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	16	222	0	0	4	23
300080	4	208	23	4800	19	563	40	856	28	4173
900080	0	0	321	4874	17	170	87	1427	31	1304
9800000002	19	180	131	894	54	96	1405	2619	167	2018
9900000002	34	29	449	704	6865	2100	219	233	2570	635
Y-T-D Tot	244	10543	1075	22673	7450	7390	2067	17599	3824	23147
NC YTD Tot	16	2184	15	2072	8	154	24	4601	39	7413
C&F Y-T-D	2696	28074	2474	110414	650508	111632	5113	91915	162837	94572
C&F NC YTD	30	8991	309	45513	816	27221	402	44125	717	32607

Other Manufacturing Technology

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	9850	0	38443	0	21590	0	43462	0	39940
2000000000	0	575	0	8854	0	4917	0	9373	0	18771
2710003070	0	0	0	2	0	8	0	4	0	1
8428900010	60	2651	14	245	0	0	36	749	50	2406
8431390080	0	2860	0	3906	0	1410	0	7776	0	12982
8456101010	0	0	9	1782	0	0	1	483	2	26
101020	0	0	1	393	0	0	4	646	5	2645
105000	12	28	1	334	0	0	135	1207	40	2585
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	6	55	4	14
205000	0	0	4	7	0	0	18	109	30	106
8477103000	0	0	0	0	2	76	1	13	90	42
106010	0	0	61	5765	55	2195	12	204	72	5294
106050	0	0	85	8473	104	2565	29	616	182	12661
200005	0	0	1	123	0	0	4	269	4	40
200015	16	246	0	0	22	703	2	80	19	1323
200035	0	0	0	0	7	169	32	1363	1	4
200045	6	8	10	1315	2	23	15	575	3	400
200055	2	133	0	0	2	113	1	126	2	1049
200065	0	0	0	0	16	442	11	729	8	1170
300000	0	0	1	255	33	394	19	763	30	693
400000	0	0	0	0	2	20	99	344	2	31
510010	0	0	0	0	0	0	22	239	93	1524
510090	0	0	0	0	5	128	5	296	19	398
590000	5	292	11	682	30	899	66	2425	84	1936
800000	16	163	49	5624	159	3410	198	14535	254	9111
8479899040	64	2808	77	2886	56	222	30	989	654	3159
908040	0	982	0	773	0	93	0	2179	0	2456
8537100030	20	15	9	123	143	89	25	311	19	7
9024100000	0	899	0	1200	0	13	0	2562	0	450
9031100000	0	12	0	17	0	7	0	131	0	240
300000	0	0	0	50	0	3	0	2583	0	147
9032810020	13	18	6667	267	0	0	10154	89	94587	1701
810060	19257	1358	53	28	31005	99	184	29	32803	549

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	1420	7359	37	4171	1457	11530
Bulgaria	40	257	0	0	40	257
Czechoslovakia	156	2881	12	237	168	3118
Denmark	453	2089	109	939	562	3028
Finland	189	532	100	6879	289	7411
Hungary	26	798	9	1315	35	2113
Ireland	199	472	3	91	202	563
Luxembourg	4	78	1	13	5	91
Netherlands	318	4340	128	2647	446	6987
Norway	145	666	5	67	150	733
Poland	232	5253	2	7	234	5260
Portugal	23	169	27	451	50	620
Romania	10	479	60	11	70	490
USSR	49	1237	4	76	53	1313
Yugoslavia	255	3832	7	1902	262	5734
Oth Europe	32	271	16	306	48	576
TOTAL	55681	651123	8783	210012	64464	861135
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	1755	818	96	1358	1851	2177
Oth N & C Am.	9	53	1	1	10	55
TOTAL	7837	21030	2222	46034	10059	67063
SOUTH AMERICA						
Argentina	8	281	171	41	179	321
Chile	0	0	0	0	0	0
Colombia	0	0	4	6	4	6
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	2	5	1	13	3	18
Oth South Am.	0	0	0	0	0	0
TOTAL	707	8580	222	19876	929	28456
OCEANIA						
Australia	219	2892	32	466	251	3358
New Zealand	12	101	1	9	13	110
Oth Oceania	16	20	0	0	16	20
TOTAL	247	3013	33	475	280	3488

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	140573	21608	2550	894	143123	22503
Hong Kong	12376	918	37	541	12413	1459
India	105	1065	5	33	110	1098
Indonesia	0	0	25	2	25	2
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	77	3280	27	530	104	3810
Malaysia	55	38	7	4	62	42
Pakistan	0	0	0	0	0	0
Philippines	1	4	0	0	1	4
Thailand	244	8852	2	5	246	8857
Oth Asia	0	0	0	0	0	0
TOTAL	877622	960912	14661	213775	892283	1174687
AFRICA						
Ghana	1	19	0	0	1	19
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	5	568	345	133	350	701
Swaziland	2	9	0	0	2	9
Oth Africa	2	178	0	0	2	178
TOTAL	10	773	345	133	355	906

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. – Not elsewhere classified.

APR

8

1992

A3117-2

REPORT

AMT
The Association For Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association

Direct Dial: (703) 827-5260

STATISTICAL

No. 30-92 April 8, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – January 1992

(Values in Millions of U.S. Dollars)

	Jan. 1992	Dec. 1991	Average Oct.-Dec.	YTD Total'92	YTD Total'91	% Change 1991-1992
METAL CUTTING MACHINE TOOLS						
Exports	$ 48.9	$ 46.1	$ 48.2	$ 48.9	$ 43.6	12.2%
Imports	$135.0	$145.5	$136.5	$135.0	$138.6	(2.6%)
Balance	($ 86.1)	($ 99.4)	($ 88.3)	($ 86.1)	($ 95.0)	(9.4%)
METAL FORMING MACHINE TOOLS						
Exports	$ 36.0	$ 47.5	$ 40.3	$ 36.0	$ 32.4	11.1%
Imports	$ 49.4	$ 40.1	$ 33.6	$ 49.4	$ 50.3	(1.8%)
Balance	($ 13.4)	($ 7.4)	$ 6.7	($ 13.4)	($ 17.9)	(25.1%)
MACHINE TOOL TOTAL						
Exports	$ 84.9	$ 93.6	$ 88.6	$ 84.9	$ 76.0	11.7%
Imports	$184.4	$185.5	$170.1	$184.4	$188.9	(2.4%)
Balance	($ 99.5)	($ 91.9)	($ 81.5)	($ 99.5)	($112.9)	(11.9%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 27.1	$ 19.6	$ 22.6	$ 27.1	$ 21.0	29.0%
Imports	$ 89.4	$103.9	$ 99.4	$ 89.4	$ 92.2	(3.0%)
Balance	($ 62.3)	($ 84.3)	($ 76.8)	($ 62.3)	($ 71.2)	(12.5%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$145.1	$152.0	$152.2	$145.1	$141.5	2.5%
Imports	$147.8	$156.9	$152.0	$147.8	$182.5	(19.0%)
Balance	($ 2.7)	($ 4.0)	$ 0.2	($ 2.7)	($ 41.0)	(93.4%)

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. Individual items may not add up to totals due to rounding.

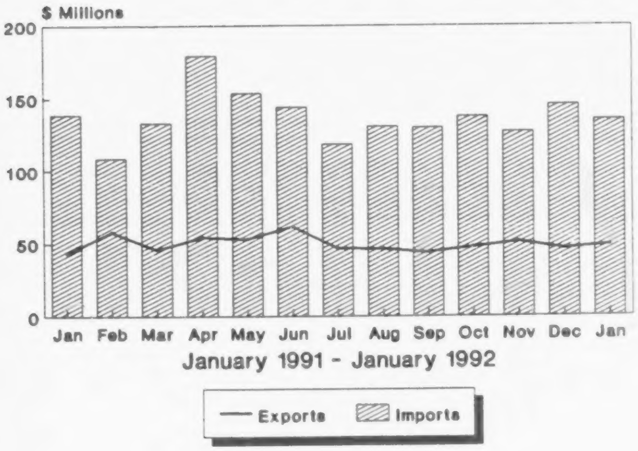
- U.S. machine tool exports in January were $84.9 million, down from an average of $88.6 million for the previous three months.

- Imports in January were $184.4 million, down slightly from December but higher than the average of $170.1 million for the previous three months.

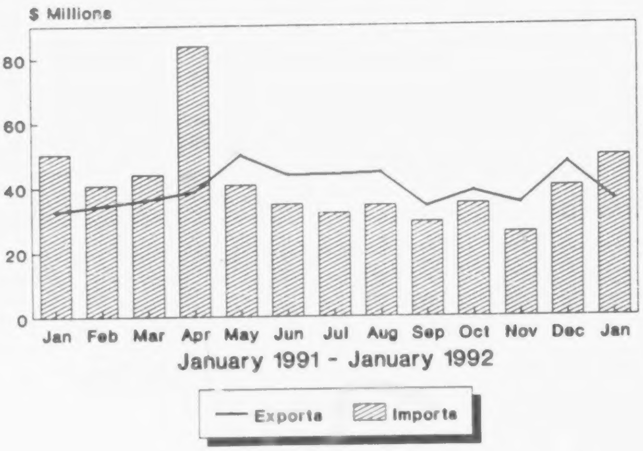
- Exports of NC machines were $27.1 million in January, significantly higher than the average of $22.6 million from October to December. Imports of NC machines were $89.4 million, down from an average of $99.4 million the previous three months.

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

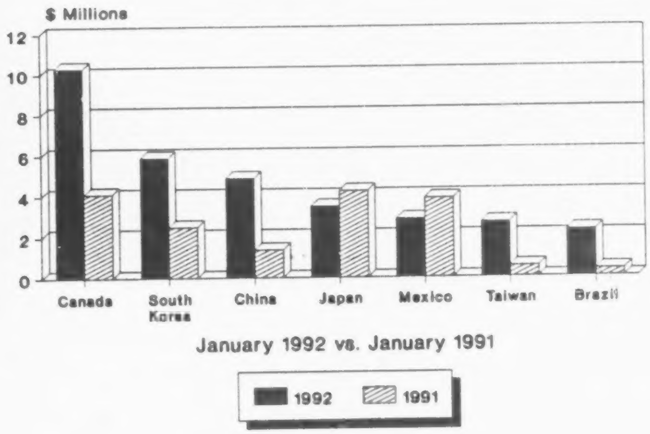
Exports

- Exports of metal cutting machine tools in January were $48.9 million, about equal to the average for the previous three months.

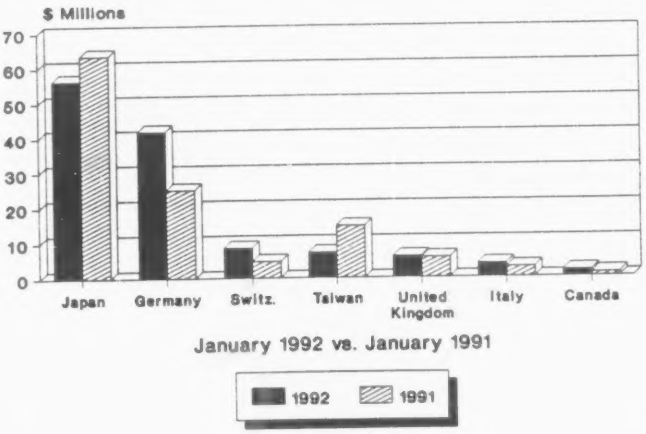
- Exports of grinding machines in January were $11.1 million, the highest monthly total since July 1991. Exports of gear cutting machines in January fell to $3.0 million, down from $5.8 million in December 1991.

- The top metal cutting export market in January was Canada at $10.3 million, up from $7.9 million in December 1991 and $4.1 million in January 1991. Other major markets in January 1992 were South Korea ($5.9 million), China ($4.9 million), and Japan ($3.5 million).

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

- Imports of metal cutting machines in January were $135.0 million, down from $145.5 million in December. The average for October-December 1991: $136.5 million.

- Imports of machining centers in January totalled $22.9 million, the lowest total since May 1991. Imports of milling machines were $4.4 million in January, down from $8.3 million in December.

- Japan led all import sources in January at $56.3 million, followed by Germany ($41.8 million), Switzerland ($8.4 million), and Taiwan ($7.1 million). Imports from Italy fell from $10.0 million in December to $3.8 million in January.

METAL FORMING MACHINE TOOLS

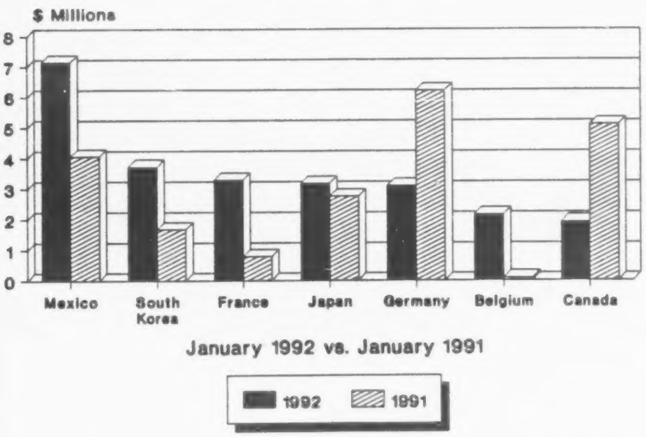
Exports

- Exports of metal forming machines in January fell to $36.0 million, marking the first time in nine months that metal forming exports lagged behind imports.

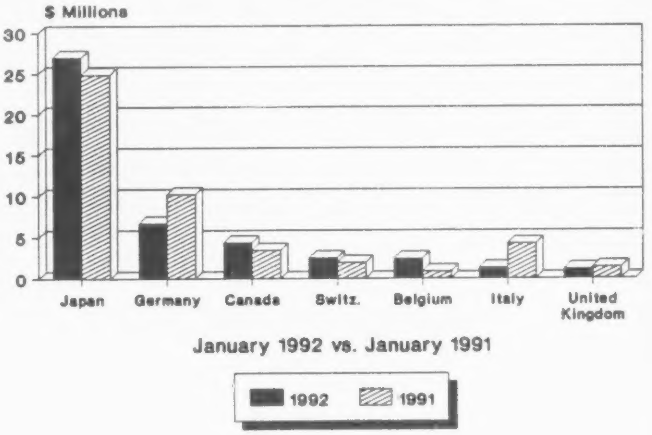
- As it was in 1991, Mexico was the top metal forming export market in January 1992 at $7.1 million. Other top markets included South Korea ($3.7 million), France ($3.3 million), Japan ($3.2 million) and Germany ($3.1 million).

- Exports of forging machines were $4.8 million in January 1992, up from $2.7 million in January 1991 and $1.7 million in December 1991. Exports of presses in January 1992 were $8.0 million, up from $7.4 million last January.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

- Imports of metal forming machine tools jumped 23% in January from December to $49.4 million, the highest monthly total since April 1991.

- Metal forming imports from Japan in January were $27.0 million, almost double the comparable figure from December. Imports from Germany were $6.7 million, followed by Canada ($4.4 million) and Switzerland ($2.5 million).

- Imports of bending and forming machines rose 10% in January from December to $12.0 million. The leading suppliers: Japan ($5.4 million), Germany ($2.5 million) and Canada ($1.5 million).

OTHER MANUFACTURING TECHNOLOGY

Exports

- Exports of machine tool parts and accessories were $54.3 million in January 1992. The average for 1991: $56.3 million.

- Exports of numerical controls for controlling machine tools were $1.9 million in January, equal to the average for 1991. The top market in January: Japan ($0.3 million).

- Exports of industrial robots and parts were $16.9 million in January 1992, down from $23.2 million in December 1991.

Imports

- Imports of other manufacturing technology in January totalled $147.8 million, down from $156.9 million in December. The average for the previous three months was $152.0 million.

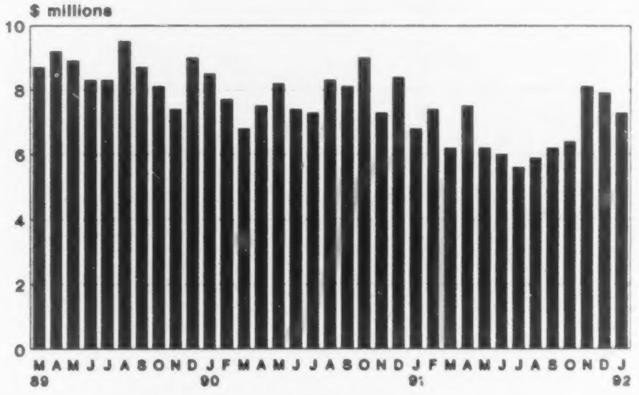
- Imports of machine tool parts and accessories were $38.3 million in January, down from an average of $46.3 million in 1991. The top import sources in January were Japan ($9.9 million), Germany ($6.3 million), Canada ($6.1 million) and Switzerland ($2.9 million).

MONTHLY FOCUS

U.S. exports of electrical discharge machines, while still very low in absolute terms, are on the rise: EDM exports rose from $5.1 million in 1989 to $7.9 million in 1990 to $10.0 million in 1991. Exports in January 1992 were $1.4 million.

Imports of EDMs, however, have trended down, falling from $104.1 in 1989 to $92.3 million in 1990 to $78.8 million in 1991. The chart below shows imports of EDM machines by three-month moving average since March 1989. As with all types of machine tools, imports of EDMs fluctuate, but the clear trend is downward.

U.S. Imports of EDMs
March 1989-January 1992
(3-month moving averages)



Source: U.S. Bureau of the Census

1992 EXPORTS

METAL CUTTING

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Canada	$10,283,712	$7,855,617	31%	$10,283,712	$4,079,654	152%
South Korea	5,887,162	2,962,522	99%	5,887,162	2,471,187	138%
China	4,856,679	1,196,582	306%	4,856,679	1,355,450	258%
Japan	3,485,912	1,985,652	76%	3,485,912	4,230,011	-18%
Mexico	2,845,125	7,732,759	-63%	2,845,125	3,855,967	-26%
Taiwan	2,679,095	977,633	174%	2,679,095	502,989	433%
Brazil	2,285,433	773,142	196%	2,285,433	347,227	558%
Switzerland	1,897,167	261,520	625%	1,897,167	131,021	1348%
United Kingdom	1,519,495	1,909,232	-20%	1,519,495	1,291,592	18%
Netherlands	1,202,662	515,398	133%	1,202,662	636,422	89%
Germany	1,013,946	3,043,673	-67%	1,013,946	8,827,813	-89%
Italy	1,011,735	2,712,095	-63%	1,011,735	2,218,427	-54%
Singapore	869,838	1,059,072	-18%	869,838	365,392	138%
Venezuela	518,749	747,481	-31%	518,749	748,551	-31%
Austria	496,603	18,500	2584%	496,603	10,058	4837%
Australia	493,223	192,542	156%	493,223	998,164	-51%
France	337,323	1,964,684	-83%	337,323	3,136,337	-89%
Thailand	306,784	3,116,371	-90%	306,784	167,845	83%
Malaysia	181,684	75,358	141%	181,684	39,207	363%
Belgium	82,837	220,770	-62%	82,837	976,425	-92%
Spain	68,197	694,911	-90%	68,197	187,092	-64%
India	49,681	1,360,553	-96%	49,681	1,797,948	-97%
Indonesia	31,649	51,558	-39%	31,649	15,125	109%
USSR	0	0	NA	0	923,067	-100%

METAL FORMING

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Mexico	$7,147,465	$7,660,280	-7%	$7,147,465	$4,056,278	76%
South Korea	3,719,482	5,595,936	-34%	3,719,482	1,665,256	123%
France	3,278,623	1,370,256	139%	3,278,623	783,532	318%
Japan	3,165,147	3,669,927	-14%	3,165,147	2,746,654	15%
Germany	3,096,088	2,511,319	23%	3,096,088	6,206,872	-50%
Belgium	2,145,235	675,499	218%	2,145,235	78,918	2618%
Canada	1,906,353	3,665,371	-48%	1,906,353	5,087,662	-63%
United Kingdom	1,763,234	1,222,197	44%	1,763,234	2,149,158	-18%
Brazil	1,040,000	266,366	290%	1,040,000	907,783	15%
Taiwan	954,739	1,967,107	-51%	954,739	6,970	13598%
China	527,847	9,345,536	-94%	527,847	1,724,628	-69%
Singapore	467,158	223,211	109%	467,158	388,168	20%
Italy	427,412	600,651	-29%	427,412	1,216,397	-65%
Netherlands	398,238	824,048	-52%	398,238	169,421	135%
Indonesia	320,030	560,123	-43%	320,030	358,560	-11%
Australia	149,218	79,810	87%	149,218	164,091	-9%
Thailand	127,604	754,480	-83%	127,604	155,628	-18%
India	101,901	64,849	57%	101,901	282,559	-64%
Spain	84,460	92,071	-8%	84,460	18,813	349%
Switzerland	76,020	97,342	-22%	76,020	365,203	-79%
Venezuela	25,700	341,208	-92%	25,700	90,265	-72%
Malaysia	11,556	297,540	-96%	11,556	182,895	-94%
Austria	0	2,682	-100%	0	0	NA
USSR	0	293,974	-100%	0	0	NA

MACHINE TOOL TOTAL

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Canada	$12,190,065	$11,520,988	6%	$12,190,065	$9,167,316	33%
Mexico	9,992,590	15,393,039	-35%	9,992,590	7,912,245	26%
South Korea	9,606,644	8,558,458	12%	9,606,644	4,136,443	132%
Japan	6,651,059	5,655,579	18%	6,651,059	6,976,665	-5%
China	5,384,526	10,542,118	-49%	5,384,526	3,080,078	75%
Germany	4,110,034	5,554,992	-26%	4,110,034	15,034,685	-73%
Taiwan	3,633,834	2,944,740	23%	3,633,834	509,959	613%
France	3,615,946	3,334,940	8%	3,615,946	3,919,869	-8%
Brazil	3,325,433	1,039,508	220%	3,325,433	1,255,010	165%
United Kingdom	3,282,729	3,131,429	5%	3,282,729	3,440,750	-5%
Belgium	2,228,072	896,269	149%	2,228,072	1,055,343	111%
Switzerland	1,973,187	358,862	450%	1,973,187	496,224	298%
Netherlands	1,600,900	1,339,446	20%	1,600,900	805,843	99%
Italy	1,439,147	3,312,746	-57%	1,439,147	3,434,824	-58%
Singapore	1,336,996	1,282,283	4%	1,336,996	753,560	77%
Australia	642,441	272,352	136%	642,441	1,162,255	-45%
Venezuela	544,449	1,088,689	-50%	544,449	838,816	-35%
Austria	496,603	21,182	2244%	496,603	10,058	4837%
Thailand	434,388	3,870,851	-89%	434,388	323,473	34%
Indonesia	351,679	611,681	-43%	351,679	373,685	-6%
Malaysia	193,240	372,898	-48%	193,240	222,102	-13%
Spain	152,657	786,982	-81%	152,657	205,905	-26%
India	151,582	1,425,402	-89%	151,582	2,080,507	-93%
USSR	0	293,974	-100%	0	923,067	-100%

1992 IMPORTS

METAL CUTTING

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Japan	$56,287,395	$67,290,186	-16%	$56,287,395	$63,490,334	-11%
Germany	41,757,428	25,552,848	63%	41,757,428	25,045,900	67%
Switzerland	8,425,206	14,585,126	-42%	8,425,206	4,696,812	79%
Taiwan	7,113,061	6,668,088	7%	7,113,061	14,670,300	-52%
United Kingdom	5,943,825	6,051,578	-2%	5,943,825	5,685,024	5%
Italy	3,754,898	10,007,117	-62%	3,754,898	2,765,832	36%
Canada	1,766,798	3,577,100	-51%	1,766,798	1,058,518	67%
Singapore	1,678,755	1,304,665	29%	1,678,755	1,114,025	51%
Spain	1,552,165	512,793	203%	1,552,165	2,455,208	-37%
Sweden	1,161,801	1,352,573	-14%	1,161,801	3,064,111	-62%
Brazil	1,062,212	407,398	161%	1,062,212	976,416	9%
South Korea	1,001,143	1,732,437	-42%	1,001,143	1,297,883	-23%
France	311,674	556,641	-44%	311,674	2,550,411	-88%
Belgium	35,607	1,686	2012%	35,607	768,044	-95%

METAL FORMING

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Japan	$26,991,873	$14,873,420	81%	$26,991,873	$24,880,673	8%
Germany	6,747,037	6,277,031	7%	6,747,037	10,206,658	-34%
Canada	4,368,172	4,504,506	-3%	4,368,172	3,451,169	27%
Switzerland	2,470,638	3,808,772	-35%	2,470,638	1,946,715	27%
Belgium	2,410,840	1,400,273	72%	2,410,840	853,913	182%
Italy	1,296,731	1,792,931	-28%	1,296,731	4,185,027	-69%
United Kingdom	1,116,236	2,341,770	-52%	1,116,236	1,354,132	-18%
Sweden	750,159	707,215	6%	750,159	382,640	96%
Taiwan	639,216	778,736	-18%	639,216	643,687	-1%
Spain	407,037	2,242,841	-82%	407,037	579,193	-30%
South Korea	138,777	57,000	143%	138,777	0	NA
Brazil	9,051	55,935	-84%	9,051	38,940	-77%
France	3,000	96,548	-97%	3,000	277,255	-99%
Singapore	0	315,499	-100%	0	0	NA

MACHINE TOOL TOTAL

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Japan	$83,279,268	$82,163,606	1%	$83,279,268	$88,371,007	-6%
Germany	48,504,465	31,829,879	52%	48,504,465	35,252,558	38%
Switzerland	10,895,844	18,393,898	-41%	10,895,844	6,643,527	64%
Taiwan	7,752,277	7,446,824	4%	7,752,277	15,313,987	-49%
United Kingdom	7,060,061	8,393,348	-16%	7,060,061	7,039,156	0%
Canada	6,134,970	8,081,606	-24%	6,134,970	4,509,687	36%
Italy	5,051,629	11,800,048	-57%	5,051,629	6,950,859	-27%
Belgium	2,446,447	1,401,959	75%	2,446,447	1,621,957	51%
Spain	1,959,202	2,755,634	-29%	1,959,202	3,034,401	-35%
Sweden	1,911,960	2,059,788	-7%	1,911,960	3,446,751	-45%
Singapore	1,678,755	1,620,164	4%	1,678,755	1,114,025	51%
South Korea	1,139,920	1,789,437	-36%	1,139,920	1,297,883	-12%
Brazil	1,071,263	463,333	131%	1,071,263	1,015,356	6%
France	314,674	653,189	-52%	314,674	2,827,666	-89%

1992 U.S. EXPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992 Units	JANUARY 1992 Value	JANUARY 1991 Units	JANUARY 1991 Value	DECEMBER 1991 Units	DECEMBER 1991 Value
Used & rebuilt & under $3,025	5,316	$11,265,820	5,350	$13,231,937	5,310	$19,546,367
Boring machines	4	111,194	8	572,189	17	1,693,549
Drilling machines	46	2,480,904	104	2,125,292	91	1,975,745
Gear cutting machines	16	2,952,428	14	7,378,919	29	5,821,183
Grinding machines	296	11,067,320	244	5,937,543	269	9,732,625
NC horizontal lathes	22	4,786,634	15	2,388,500	20	2,206,194
NC vertical lathes	1	170,620	1	161,310	1	92,875
Non-NC lathes	44	3,333,427	37	817,093	49	1,051,630
Milling machines	35	6,163,478	21	1,285,651	42	870,158
Machining centers	18	4,153,920	18	2,251,834	24	2,384,335
Station type machines	2	689,332	7	6,763,963	6	777,170
Other metal cutting machines	191	5,028,354	223	7,078,662	296	10,893,775
Punching & shearing machines	75	2,962,166	108	4,513,331	124	6,474,376
Bending & forming machines	154	5,495,473	116	4,251,882	127	5,041,561
Presses	98	7,968,219	293	7,418,063	137	8,113,963
Forging machines	18	4,823,312	11	2,746,151	13	1,701,062
Other metal forming machines	221	11,490,938	231	7,030,224	349	15,226,551
MACHINE TOOL TOTAL	6,557	84,943,539	6,801	75,952,544	6,904	93,603,119

PRODUCT TYPES	% CHANGE JAN'91–JAN'92 Units	% CHANGE JAN'91–JAN'92 Value	% CHANGE DEC'91–JAN'92 Units	% CHANGE DEC'91–JAN'92 Value
Used & rebuilt & under $3,025	-0.6%	-14.9%	0.1%	-42.4%
Boring machines	-50.0%	-80.6%	-76.5%	-93.4%
Drilling machines	-55.8%	16.7%	-49.5%	25.6%
Gear cutting machines	14.3%	-60.0%	-44.8%	-49.3%
Grinding machines	21.3%	86.4%	10.0%	13.7%
NC horizontal lathes	46.7%	100.4%	10.0%	117.0%
NC vertical lathes	0.0%	5.8%	0.0%	83.7%
Non-NC lathes	18.9%	308.0%	-10.2%	217.0%
Milling machines	66.7%	379.4%	-16.7%	608.3%
Machining centers	0.0%	84.5%	-25.0%	74.2%
Station type machines	-71.4%	-89.8%	-66.7%	-11.3%
Other metal cutting machines	-14.3%	-29.0%	-35.5%	-53.8%
Punching & shearing machines	-30.6%	-34.4%	-39.5%	-54.2%
Bending & forming machines	32.8%	29.2%	21.3%	9.0%
Presses	-66.6%	7.4%	-28.5%	-1.8%
Forging machines	63.6%	75.6%	38.5%	183.5%
Other metal forming machines	-4.3%	63.5%	-36.7%	-24.5%
MACHINE TOOL TOTAL	-3.6%	11.8%	-5.0%	-9.3%

1992 U.S. IMPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		JANUARY 1991		DECEMBER 1991	
	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	94,127	$12,280,602	71,667	$13,094,991	87,700	$13,131,141
Boring machines	25	3,463,952	75	3,212,626	31	4,016,207
Drilling machines	97	4,705,463	136	5,284,960	50	1,853,712
Gear cutting machines	37	6,172,007	34	7,247,022	11	1,092,631
Grinding machines	512	27,479,836	662	23,141,603	449	20,212,495
NC horizontal lathes	153	15,234,824	158	17,509,455	193	20,332,252
NC vertical lathes	16	1,194,631	9	1,367,349	11	2,994,542
Non-NC lathes	207	3,386,097	722	8,815,703	352	8,374,323
Milling machines	138	4,406,171	449	12,771,541	126	8,284,052
Machining centers	200	22,852,787	293	33,595,255	213	28,713,125
Station type machines	18	19,481,908	14	4,189,738	38	26,572,121
Other metal cutting machines	280	16,298,473	448	11,368,644	277	11,581,840
Punching & shearing machines	100	7,476,279	67	5,697,766	68	4,004,218
Bending & forming machines	151	11,974,223	189	6,557,096	158	10,940,152
Presses	101	15,951,346	72	16,236,188	399	10,040,316
Forging machines	104	2,006,697	59	5,028,586	81	2,175,197
Other metal forming machines	151	10,016,946	286	13,786,011	197	11,210,788
MACHINE TOOL TOTAL	96,417	184,382,242	75,340	188,904,534	90,354	185,529,112

PRODUCT TYPES	% CHANGE JAN'91–JAN'92		% CHANGE DEC'91–JAN'92	
	Units	Value	Units	Value
Used & rebuilt & under $3,025	31.3%	-6.2%	7.3%	-6.5%
Boring machines	-66.7%	7.8%	-19.4%	-13.8%
Drilling machines	-28.7%	-11.0%	94.0%	153.8%
Gear cutting machines	8.8%	-14.8%	236.4%	464.9%
Grinding machines	-22.7%	18.7%	14.0%	36.0%
NC horizontal lathes	-3.2%	-13.0%	-20.7%	-25.1%
NC vertical lathes	77.8%	-12.6%	45.5%	-60.1%
Non-NC lathes	-71.3%	-61.6%	-41.2%	-59.6%
Milling machines	-69.3%	-65.5%	9.5%	-46.8%
Machining centers	-31.7%	-32.0%	-6.1%	-20.4%
Station type machines	28.6%	365.0%	-52.6%	-26.7%
Other metal cutting machines	-37.5%	43.4%	1.1%	40.7%
Punching & shearing machines	49.3%	31.2%	47.1%	86.7%
Bending & forming machines	-20.1%	82.6%	-4.4%	9.5%
Presses	40.3%	-1.8%	-74.7%	58.9%
Forging machines	76.3%	-60.1%	28.4%	-7.7%
Other metal forming machines	-47.2%	-27.3%	-23.4%	-10.6%
MACHINE TOOL TOTAL	28.0%	-2.4%	6.7%	-0.6%

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

RELEASED: April 8, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	19	1351	19	1351
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	2	329	2	329
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	2	549	2	549
100035	Horizontal machining centers, ATC	1	429	1	429
100045	Machining centers, n.e.c.	13	2847	13	2847
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	0	0	0	0
300010	Multi-station transfer machines, NC	1	589	1	589
300090	Multi-station transfer machines, non-NC	1	100	1	100
8458110010	Horizontal lathes, multiple spindle, NC	5	439	5	439
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	7	615	7	615
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	5	1874	5	1874
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	5	1859	5	1859
190030	Horizontal engine or toolroom lathes, non-NC	4	127	4	127
190050	Automatic bar and/or chucking mach., single spindle, non-NC	0	0	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	1	112	1	112
190090	Horizontal lathes, n.e.c., non-NC	24	256	24	256
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	0	0	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	1	171	1	171
991050	Vertical turret lathes, non-NC	4	73	4	73
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	11	2765	11	2765
8459100000	Way-type unit head machines	0	0	0	0
210080	Other drilling machines, NC	7	2137	7	2137
290040	Drilling machines, multiple spindle, non-NC	0	0	0	0
290050	Drilling machines, radial, non-NC	1	6	1	6
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	1	8	1	8
290090	Drilling machines, n.e.c., non-NC	37	330	37	330
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling machines, n.e.c., NC	2	59	2	59
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	0	0	0	0
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	2	52	2	52
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	0	0	0	0
510080	Milling machines, knee type, NC	1	1350	1	1350
590030	Milling machines, knee type, non-NC	10	264	10	264
610080	Milling machines, excluding knee type, n.e.c., NC	4	1687	4	1687
690050	Milling machines, profile, dup., or die sinking, non-NC	3	220	3	220
690070	Milling machines, bed type, non-NC	0	0	0	0
690090	Milling machines, n.e.c., non-NC	17	2642	17	2642
700020	Threading or tapping machines, n.e.c., NC	3	366	3	366
700080	Threading or tapping machines, n.e.c., non-NC	27	427	27	427
8460110080	Flat surface grinding machines, NC	3	139	3	139
190010	Flat surface grinding mach., recip.-table type, non-NC	2	29	2	29
190050	Flat surface grinding machines, n.e.c., non-NC	11	1462	11	1462
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	5	1607	5	1607
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	1	21	1	21
290030	Grinding machines, internal cylindrical, non-NC	25	950	25	950
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	34	2904	34	2904
310080	Sharpening machines (tool & cutter grinding), NC	8	276	8	276
390050	Sharpening machines (tool & cutter grinding), non-NC	42	323	42	323
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	53	587	53	587
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	4	1768	4	1768
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	108	1003	108	1003
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	3	30	3	30
200010	Shaping or slotting machines, NC	1	18	1	18
200090	Shaping or slotting machines, non-NC	2	15	2	15
300060	Broaching machines, NC	0	0	0	0
300080	Broaching machines, non-NC	0	0	0	0
401050	Gear hobbers	1	562	1	562
401070	Gear shapers	8	440	8	440
401090	Gear cutting machines, n.e.c.	5	1882	5	1882
405060	Gear grinding or finishing machines	2	68	2	68
500050	Sawing or cutting-off machines, NC	2	318	2	318
500090	Sawing or cutting-off machines, non-NC	57	716	57	716
9000000001	Metal cutting machine tools, n.e.c.	77	1786	77	1786
9800000001	Used or rebuilt machine tools	467	6455	467	6455
9900000001	Machine tools valued at less than $3,025	3877	1540	3877	1540
	Cutting Total			5019	48933
	Y-T-D Cutting Total	5019	48933		
	NC Y-T-D Cutting Total*	105	21532		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	260
8457100015	0	0	0	0	0	0	0	0	1	178
100025	0	0	0	0	0	0	0	0	1	338
100035	0	0	0	0	0	0	0	0	0	0
100045	1	90	0	0	0	0	0	0	3	653
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	589
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	216
110030	0	0	0	0	0	0	0	0	1	104
110050	0	0	0	0	0	0	0	0	1	135
110090	0	0	0	0	0	0	0	0	4	1155
190030	0	0	0	0	0	0	0	0	2	14
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	3	54
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	171
991050	0	0	0	0	0	0	0	0	1	10
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	5	1246
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	6
290070	0	0	0	0	0	0	0	0	1	8
290090	0	0	0	0	0	0	0	0	23	99
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	52
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	1	1350	0	0
590030	5	120	0	0	0	0	0	0	1	16
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	76	0	0	8	51
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	497	0	0	0	0	2	766
290010	0	0	0	0	0	0	0	0	1	21
290030	0	0	0	0	0	0	24	915	0	0
290050	0	0	0	0	0	0	0	0	2	13
310080	2	64	0	0	0	0	0	0	0	0
390050	3	19	0	0	0	0	0	0	19	167
400060	0	0	0	0	0	0	0	0	0	0
400080	1	5	0	0	0	0	0	0	5	68
900060	0	0	0	0	0	0	0	0	4	1768
900080	1	8	0	0	0	0	0	0	20	167
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	9
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	2	318
500090	0	0	0	0	0	0	0	0	14	135
9000000001	0	0	0	0	0	0	0	0	14	199
9800000001	4	159	0	0	1	4	0	0	57	1085
9900000001	19	28	0	0	5	4	27	20	201	211
Month Tot	36	493	1	497	7	83	52	2285	406	10284
Y-T-D Tot	36	493	1	497	7	83	52	2285	406	10284
NC YTD Tot*	3	155	1	497	0	0	1	1350	32	8020

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	194	8	473	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	96	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	4	2646	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	6	1	3	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	95	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	34	0	0	0	0
290050	10	1537	0	0	0	0	2	27	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	47	0	0	12	106	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	8	64	2	15	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	5	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	1	534	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	0	0	0	0	3	29
9000000001	2	78	0	0	2	19	0	0	0	0
9800000001	0	0	10	26	7	151	0	0	0	0
9900000001	36	15	180	16	150	64	10	8	5	3
Month Tot	55	4857	193	337	191	1014	14	50	8	32
Y-T-D Tot	55	4857	193	337	191	1014	14	50	8	32
NC YTD Tot*	0	0	2	289	9	485	0	0	0	0

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	1	211	0	0	0	0
100035	0	0	0	0	1	429	0	0	0	0
100045	0	0	0	0	2	209	0	0	3	253
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	144	0	0	0	0	0	0
110050	0	0	0	0	4	1739	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	2	113	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	10	63
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	3	63
995090	0	0	2	25	0	0	0	0	2	32
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	1	10	0	0	4	165
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	1	65	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	14	0	0	0	0	6	54
700020	0	0	1	327	0	0	0	0	1	14
700080	0	0	0	0	0	0	0	0	6	36
8460110080	0	0	1	77	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	3	941	5	300	2	155	1	66
210080	0	0	0	0	0	0	0	0	1	244
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	6	556
310080	0	0	1	77	1	23	0	0	0	0
390050	0	0	0	0	4	30	0	0	9	59
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	16	0	0	1	14
900060	0	0	0	0	0	0	0	0	0	0
900080	7	80	2	19	4	19	0	0	17	157
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	4	0	0	0	0	1	21
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	8	440	0	0	0	0
401090	1	770	1	396	0	0	0	0	2	182
405060	0	0	1	56	0	0	0	0	1	13
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	29	3	55	0	0	8	99
9000000001	0	0	11	138	6	98	0	0	4	33
9800000001	11	74	4	1083	20	2159	0	0	226	447
9900000001	125	88	366	42	75	84	34	27	861	276
Month Tot	144	1012	400	3486	137	5887	36	182	1173	2845
Y-T-D Tot	144	1012	400	3486	137	5887	36	182	1173	2845
NC YTD Tot*	0	0	4	625	10	2676	0	0	5	511

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	8	425	0	0	0	0	0	0	0	0
8457100015	1	151	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	1	1426	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	704
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	112	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	3	108	0	0	0	0	0	0	0	0
610080	0	0	1	80	0	0	0	0	1	1517
690050	0	0	0	0	0	0	3	220	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	12
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	100	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	8	300	0	0	0	0	0	0	5	172
310080	0	0	0	0	0	0	0	0	2	66
390050	0	0	4	29	0	0	1	5	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	8	61	0	0	0	0	5	52	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	20	1	3	0	0	0	0	1	14
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	1	18	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	10	42	6	170	1	12	0	0	0	0
9000000001	2	12	1	23	2	27	2	28	13	70
9800000001	1	5	1	400	1	3	0	0	5	56
9900000001	52	62	274	54	59	26	89	66	60	69
Month Tot	96	1203	289	870	63	68	102	1897	89	2679
Y-T-D Tot	96	1203	289	870	63	68	102	1897	89	2679
NC YTD Tot*	10	594	1	80	0	0	2	1526	4	2287

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	3	215
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	1	100	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	3	223
110030	1	60	1	56	0	0	0	0	2	156
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	11	140
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	3	62	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	2	891	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	2	27	5	21
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	2	59
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	20	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	26
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	10	2573
700020	0	0	0	0	0	0	0	0	1	25
700080	0	0	0	0	0	0	10	106	1	63
8460110080	0	0	0	0	0	0	0	0	2	62
190010	0	0	0	0	0	0	0	0	1	16
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	299
310080	0	0	1	20	0	0	0	0	1	25
390050	0	0	0	0	0	0	0	0	2	15
400060	0	0	0	0	0	0	0	0	0	0
400080	16	184	1	16	0	0	0	0	1	19
900060	0	0	0	0	0	0	0	0	0	0
900080	4	42	10	92	0	0	24	257	5	46
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	5	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	562
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	5	69	0	0	0	0	5	78
9000000001	0	0	3	30	0	0	2	32	13	1000
9800000001	0	0	18	132	0	0	0	0	101	671
9900000001	119	21	109	26	0	0	588	97	433	234
Month Tot	140	307	156	1519	0	0	626	519	605	6528
Y-T-D Tot	140	307	156	1519	0	0	626	519	605	6528
NC YTD Tot*	1	60	4	966	0	0	0	0	16	1412

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

RELEASED: April 8, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	35	408	35	408
8462100030	Headers and upsetters, including cold headers	4	3363	4	3363
100050	Forging or die stamping machines, and hammers, n.e.c.	14	1461	14	1461
210080	Bending, folding, straight. or flat. mach., incl presses, NC	39	2914	39	2914
290030	Press brakes, non-NC	1	53	1	53
290040	Bending rolls, non-NC	6	153	6	153
290050	Bending, folding, straight., or flat., n.e.c., non-NC	108	2376	108	2376
310080	Shearing machines, NC	12	802	12	802
390050	Shearing machines, non-NC	19	434	19	434
410080	Punching or notching mach., incl. comb. punch & shear, NC	11	1070	11	1070
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	33	656	33	656
910060	Hydraulic presses, NC	2	141	2	141
910090	Hydraulic presses, non-NC	37	1158	37	1158
990030	Presses, n.e.c., NC	11	651	11	651
990040	Presses, mechanical, non-NC	2	771	2	771
990060	Presses, n.e.c., non-NC	46	5247	46	5247
8463100080	Draw benches for bars, tubes, profiles, wire or the like	13	901	13	901
200080	Thread rolling machines	0	0	0	0
300080	Machines for working wire	34	1002	34	1002
900080	Metal forming machine tools, n.e.c.	139	9179	139	9179
9800000002	Used or rebuilt machine tools	138	2553	138	2553
9900000002	Machine tools valued at less than $3,025	834	717	834	717

	TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
Forming Total			1538	36011
Y-T-D Forming Total	1538	36011		
NC Y-T-D Forming Total	75	5578		
Cutting and Forming Totals:				
Monthly Total			6557	84944
Y-T-D Total	6557	84944		
NC Y-T-D Total*	180	27111		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	54307	0	54307
2000000000	Parts for working rubber or plastics - heading 8477	0	22178	0	22178
2710003070	Quenching or cutting oils	0	578	0	578
8428900010	Industrial robots for lifting, handling, loading or unload	90	675	90	675
8431390090	Parts industrial robots, handling and loading - heading 8428	0	8190	0	8190
8456100000	Laser, light or photon beam for working any material	45	1637	45	1637
200000	Ultrasonic process for working any material	2	51	2	51
8477106010	Injection molding mach., for rubber or oth. thermosetting	28	2803	28	2803
106070	Injection molding machines, for thermoplastics	58	8269	58	8269
200005	Extruders; rubber or other thermosetting mat., single screw	1	839	1	839
200015	Extruders; rubber or thermosetting, other incl. multi. screw	8	490	8	490
200030	Extruders; thermoplastics, single screw	11	2032	11	2032
200060	Extruders; thermoplastics, other incl. multi. screw	5	317	5	317
300000	Blow molding machines	106	6328	106	6328
400000	Vacuum-molding and other thermoforming machines	121	2438	121	2438
510010	Machines for molding or retreading pneumatic tires	732	3048	732	3048
510090	Machines for molding or otherwise forming inner tubes	128	418	128	418
590000	Machines for molding or otherwise forming n.e.c.	69	1657	69	1657
800000	Machines for working rubber or plastics n.e.c.	346	7291	346	7291
8479899040	Industrial robots, n.e.c.	391	5696	391	5696
908040	Industrial robot parts	0	2302	0	2302
8537100030	Numerical controls for controlling machine tools	139	1921	139	1921
9024100000	Machines and appliances for testing metals	0	4210	0	4210
9031100000	Machines for balancing mechanical parts	0	4228	0	4228
300000	Profile projectors	0	268	0	268
9032810040	Industrial process control instr., hydraulic or pneumatic	40471	2978	40471	2978

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	1	980	1	1040	1	83
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	2	84	0	0	2	160
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	4	109
290050	1	14	0	0	43	1065	0	0	28	400
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	4	107
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	0	0	11	91
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	2	81
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	1	12
8463100080	1	23	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	71	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	0	0	8	162
9800000002	2	31	0	0	0	0	0	0	32	596
9900000002	9	11	0	0	16	16	0	0	89	106
Month Tot	15	149	0	0	62	2145	1	1040	182	1906
Y-T-D Tot	15	149	0	0	62	2145	1	1040	182	1906
NC YTD Tot	0	0	0	0	2	84	0	0	2	160
C&F Month	51	642	1	497	69	2228	53	3325	588	12190
C&F Y-T-D	51	642	1	497	69	2228	53	3325	588	12190
C&F NC YTD*	3	155	1	497	2	84	1	1350	34	8179

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	975	0	247	0	592	0	1137	0	9362
2000000000	0	197	0	86	0	733	0	260	0	4819
2710003070	0	13	0	0	0	12	0	3	0	121
8428900010	8	75	0	0	0	0	0	0	23	232
8431390090	0	649	0	0	0	39	0	13	0	654
8456100000	0	0	0	0	0	0	0	0	1	446
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	4	242
106070	0	0	0	0	0	0	15	3252	9	1069
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	7	440
200030	0	0	2	61	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	11	212	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	7	6	0	0	0	0	1	64	66	1693
510090	0	0	0	0	0	0	0	0	0	0
590000	1	14	0	0	0	0	0	0	4	244
800000	3	41	0	0	0	0	0	0	66	1837
8479899040	0	0	0	0	0	0	0	0	196	1783
908040	0	0	0	0	0	5	0	0	0	1316
8537100030	0	0	1	12	0	0	0	0	21	260
9024100000	0	8	0	12	0	40	0	72	0	426
9031100000	0	31	0	0	0	0	0	19	0	3594
300000	0	0	0	0	0	0	0	7	0	21
9032810040	113	51	242	12	331	26	63	7	1811	164

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	9	101	1	34	9	98	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	5	300	0	0	0	0	0	0
210080	1	528	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	4	43
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	15	0	0	0	0
410080	0	0	0	0	1	35	0	0	0	0
490050	0	0	0	0	2	7	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	2	48	0	0	8	277
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	8	1809	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	3	62	0	0	0	0
900080	0	0	3	2734	16	1017	0	0	0	0
9800000002	0	0	3	115	2	44	0	0	0	0
9900000002	0	0	28	29	42	24	7	4	0	0
Month Tot	1	528	48	3279	78	3096	16	102	12	320
Y-T-D Tot	1	528	48	3279	78	3096	16	102	12	320
NC YTD Tot	1	528	0	0	1	35	0	0	0	0
C&F Month	56	5385	241	3616	269	4110	30	152	20	352
C&F Y-T-D	56	5385	241	3616	269	4110	30	152	20	352
C&F NC YTD*	1	528	2	289	10	520	0	0	0	0
Other Manufacturing Technology										
1000000000	0	352	0	1657	0	4483	0	280	0	317
2000000000	0	668	0	558	0	2649	0	124	0	29
2710003070	0	0	0	0	0	27	0	0	0	46
8428900010	0	0	17	171	0	0	0	0	0	0
8431390090	0	36	0	110	0	0	0	5	0	377
8456100000	0	0	0	0	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	1	69	14	1641	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	2	1619	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	1	12	6	68	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	2	150	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	5	64	14	440	2	23	1	25
800000	2	7	0	0	80	56	1	38	0	0
8479899040	0	0	78	561	15	124	0	0	0	0
908040	0	0	0	21	0	494	0	0	0	0
8537100030	4	59	15	178	11	148	0	0	0	0
9024100000	0	140	0	187	0	158	0	0	0	16
100000	0	7	0	3	0	0	0	31	0	0
300000	0	143	0	0	0	0	0	0	0	0
9032810040	0	0	562	33	5532	305	111	22	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	6	44
8462100030	0	0	1	1260	0	0	0	0	0	0
100050	0	0	0	0	4	819	0	0	2	81
210080	0	0	2	86	0	0	0	0	9	982
290030	0	0	0	0	0	0	0	0	1	53
290040	0	0	0	0	0	0	0	0	2	44
290050	7	180	7	182	0	0	0	0	9	254
310080	0	0	1	60	0	0	0	0	4	314
390050	0	0	0	0	1	56	0	0	9	194
410080	1	85	0	0	0	0	0	0	2	104
490050	1	13	1	146	6	69	0	0	6	188
910060	0	0	0	0	0	0	0	0	1	58
910090	1	64	0	0	0	0	0	0	20	603
990030	1	44	0	0	10	606	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	3	52	0	0	0	0	28	2842
8463100080	0	0	1	11	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	5	208	0	0	0	0	8	210
900080	2	10	50	1006	14	1853	0	0	14	179
9800000002	0	0	7	124	14	302	2	8	55	755
9900000002	77	31	33	31	17	14	5	4	235	244
Month Tot	90	427	111	3165	66	3719	7	12	411	7147
Y-T-D Tot	90	427	111	3165	66	3719	7	12	411	7147
NC YTD Tot	2	129	3	146	10	606	0	0	16	1457
C&F Month	234	1439	511	6651	203	9607	43	193	1584	9993
C&F Y-T-D	234	1439	511	6651	203	9607	43	193	1584	9993
C&F NC YTD*	2	129	7	771	20	3282	0	0	21	1968

Other Manufacturing Technology

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	2306	0	8058	0	1780	0	516	0	4024
2000000000	0	243	0	2137	0	730	0	488	0	1813
2710003070	0	0	0	8	0	0	0	5	0	16
8428900010	1	4	23	22	0	0	1	3	1	9
8431390090	0	20	0	94	0	22	0	0	0	2821
8456100000	1	124	1	15	0	0	0	0	0	0
200000	2	51	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	16	1988
106070	0	0	3	296	0	0	0	0	7	444
200005	0	0	0	0	0	0	0	0	1	839
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	3	70	1	148
200060	0	0	0	0	0	0	0	0	4	292
300000	36	959	0	0	1	1745	0	0	10	1912
400000	0	0	17	6	2	9	0	0	15	217
510010	0	0	0	0	12	279	0	0	4	12
510090	0	0	0	0	0	0	0	0	3	110
590000	3	28	10	226	0	0	0	0	11	57
800000	1	8	7	1138	1	660	2	217	123	2731
8479899040	1	3	2	160	0	0	0	0	69	1055
908040	0	19	0	101	0	0	0	0	0	24
8537100030	5	64	19	331	3	34	0	0	1	15
9024100000	0	37	0	997	0	178	0	0	0	140
100000	0	0	0	16	0	25	0	0	0	69
300000	0	0	0	44	0	0	0	0	0	12
9032810040	2404	249	5279	352	2047	114	4	3	407	91

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	3	1	12	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	157	1	103	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	8	350
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	22	0	0	0	0	1	18	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	2	28	0	0	0	0	0	0
410080	2	175	0	0	0	0	0	0	3	315
490050	1	6	0	0	0	0	0	0	1	5
910060	0	0	0	0	0	0	0	0	0	0
910090	1	7	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	1	73
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	144	1	16	1	23	6	137
900080	3	18	1	12	2	62	0	0	4	74
9800000002	0	0	2	150	1	6	0	0	0	0
9900000002	12	10	24	19	0	0	40	34	0	0
Month Tot	23	398	32	467	4	84	42	76	23	955
Y-T-D Tot	23	398	32	467	4	84	42	76	23	955
NC YTD Tot	2	175	0	0	0	0	0	0	11	665
C&F Month	119	1601	321	1337	67	153	144	1973	112	3634
C&F Y-T-D	119	1601	321	1337	67	153	144	1973	112	3634
C&F NC YTD*	12	769	1	80	0	0	2	1526	15	2952

Other Manufacturing Technology

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	626	0	686	0	321	0	591	0	1885
2000000000	0	319	0	267	0	90	0	262	0	111
2710003070	0	42	0	13	0	0	0	0	0	96
8428900010	10	105	0	0	0	0	0	0	0	0
8431390090	0	17	0	67	0	12	0	0	0	145
8456100000	1	110	0	0	0	0	4	93	28	659
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	1	77	0	0
106070	0	0	0	0	0	0	1	50	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	1	51
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	3	6	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	3	47	0	0	6	63	0	0	1	144
800000	0	0	1	9	0	0	0	0	2	3
8479899040	1	3	6	1360	1	315	8	107	0	0
908040	0	6	0	4	0	0	0	89	0	0
8537100030	8	111	2	26	1	12	0	0	2	30
9024100000	0	31	0	93	0	32	0	0	0	281
9031100000	0	24	0	12	0	0	0	0	0	160
300000	0	0	0	7	0	0	0	6	0	10
9032810040	6150	370	311	79	4073	207	96	12	749	38

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	6	106	0	0	1	4	1	7
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	54	0	0	0	0	14	671
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	51	0	0	0	0	0	0	5	147
310080	0	0	0	0	0	0	0	0	7	428
390050	0	0	2	36	0	0	0	0	0	0
410080	0	0	2	356	0	0	0	0	0	0
490050	1	7	1	9	0	0	0	0	2	113
910060	0	0	0	0	0	0	0	0	1	84
910090	1	38	1	34	0	0	0	0	1	6
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	1	741	0	0	0	0	1	30
990060	0	0	3	86	0	0	0	0	2	374
8463100080	0	0	1	6	0	0	0	0	10	861
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	44	0	0	0	0	5	86
900080	1	4	2	33	0	0	0	0	19	2017
9800000002	3	28	1	240	0	0	2	22	12	132
9900000002	0	0	18	20	0	0	0	0	182	121
Month Tot	8	128	41	1763	0	0	3	26	262	5077
Y-T-D Tot	8	128	41	1763	0	0	3	26	262	5077
NC YTD Tot	0	0	3	409	0	0	0	0	22	1183
C&F Month	148	434	197	3283	0	0	629	544	867	11605
C&F Y-T-D	148	434	197	3283	0	0	629	544	867	11605
C&F NC YTD*	1	60	7	1376	0	0	0	0	38	2595

Other Manufacturing Technology

1000000000	0	134	0	3406	0	223	0	1097	0	9254
2000000000	0	1243	0	883	0	0	0	420	0	3052
2710003070	0	0	0	8	0	0	0	4	0	164
8428900010	0	0	6	54	0	0	0	0	0	0
8431390090	0	352	0	587	0	0	0	284	0	1888
8456100000	0	0	8	176	0	0	0	0	1	14
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	1	42	6	454
106070	0	0	1	40	0	0	4	365	3	1043
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	1	28	0	0	0	0	2	107
200060	0	0	0	0	0	0	1	25	0	0
300000	0	0	2	611	0	0	21	390	15	414
400000	1	9	3	29	0	0	0	0	83	2167
510010	0	0	20	5	0	0	2	7	618	832
510090	123	263	0	0	0	0	0	0	2	45
590000	0	0	8	283	0	0	0	0	0	0
800000	0	0	6	100	0	0	1	12	50	433
8479899040	0	0	10	63	0	0	0	0	4	161
908040	0	0	0	122	0	0	0	0	0	102
8537100030	0	0	15	204	0	0	4	56	27	381
9024100000	0	33	0	606	0	0	0	12	0	710
9031100000	0	0	0	14	0	0	0	11	0	213
300000	0	0	0	3	0	0	0	0	0	14
9032810040	0	0	4145	343	702	32	1100	66	4239	403

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92

EUROPE

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	2	7	2	66	4	72
Finland	0	0	0	0	0	0
Greece	0	0	0	0	0	0
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	2	324	10	26	12	350
Luxembourg	0	0	0	0	0	0
Norway	7	10	14	18	21	28
Poland	2	2416	0	0	2	2416
Portugal	2	13	0	0	2	13
Romania	0	0	0	0	0	0
Sweden	5	32	40	33	45	65
Turkey	1	562	1	22	2	584
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	0	0	0	0
TOTAL	974	10993	455	11434	1429	22426

NORTH AND CENTRAL AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Bahamas	0	0	0	0	0	0
Barbados	2	17	0	0	2	17
Belize	0	0	1	6	1	6
Bermuda	0	0	0	0	0	0
Costa Rica	0	0	4	3	4	3
Dominican Rep	18	116	7	94	25	210
El Salvador	0	0	4	105	4	105
Guatemala	0	0	7	428	7	428
Haiti	0	0	0	0	0	0
Honduras	45	31	0	0	45	31
Jamaica	0	0	4	701	4	701
Panama	0	0	1	7	1	7
Trinidad	0	0	2	55	2	55
Oth N & C Am.	10	129	0	0	10	129
TOTAL	1654	13421	623	10453	2277	23874

SOUTH AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Argentina	62	263	1	84	63	347
Bolivia	0	0	0	0	0	0
Chile	21	249	2	78	23	327
Colombia	6	73	9	18	15	91
Ecuador	1	5	1	5	2	10
Paraguay	0	0	0	0	0	0
Peru	6	18	0	0	6	18
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	774	3411	17	1250	791	4662

OCEANIA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
New Zealand	1	10	13	12	14	21
Oth Oceania	0	0	5	4	5	4
TOTAL	37	503	33	165	70	668

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	91	973	30	42	121	1015
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	14	49	0	0	14	49
Jordan	0	0	0	0	0	0
Kuwait	1	16	0	0	1	16
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	26	105	76	737	102	843
Qatar	0	0	0	0	0	0
Saudi Arabia	10	351	17	1969	27	2320
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	5	64	3	63	8	127
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1315	19907	402	12207	1717	32114
AFRICA						
Algeria	0	0	1	15	1	15
Botswana	0	0	0	0	0	0
Egypt	16	222	2	436	18	658
Ethiopia	0	0	0	0	0	0
Gabon	25	217	0	0	25	217
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	22	14	0	0	22	14
Niger	0	0	0	0	0	0
Nigeria	0	0	1	30	1	30
South Africa	32	40	4	21	36	61
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	166	5	0	0	166	5
Oth Africa	4	200	0	0	4	200
TOTAL	265	698	8	502	273	1200

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS – Metal Cutting Machine Tools – January 92

RELEASED: April 8, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	51	4220	51	4220
301050	Electro-discharge machines, n.e.c., NC	23	1860	23	1860
301070	Electro-discharge machines, n.e.c., non-NC	13	191	13	191
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	150	11447	150	11447
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	9	2456	9	2456
100035	Horizontal machining centers, ATC	34	6884	34	6884
100045	Machining centers, n.e.c.	7	2066	7	2066
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	2	110	2	110
300010	Multi-station transfer machines, NC	7	14523	7	14523
300090	Multi-station transfer machines, non-NC	9	4849	9	4849
8458110010	Horizontal lathes, multiple spindle, NC	15	2794	15	2794
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	115	8655	115	8655
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	18	2447	18	2447
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	5	1339	5	1339
190030	Horizontal engine or toolroom lathes, non-NC	155	1424	155	1424
190050	Automatic bar and/or chucking mach., single spindle, non-NC	14	866	14	866
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	4	485	4	485
190090	Horizontal lathes, n.e.c., non-NC	10	125	10	125
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	6	322	6	322
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	872	10	872
991050	Vertical turret lathes, non-NC	3	110	3	110
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	21	377	21	377
8459100000	Way-type unit head machines	0	0	0	0
210080	Other drilling machines, NC	15	2092	15	2092
290040	Drilling machines, multiple spindle, non-NC	18	1874	18	1874
290050	Drilling machines, radial, non-NC	14	114	14	114
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	0	0	0	0
290090	Drilling machines, n.e.c., non-NC	50	626	50	626
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	1	438	1	438
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	7	988	7	988
310070	Boring-milling machines, n.e.c., NC	0	0	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	5	339	5	339
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	2	54	2	54
400040	Boring machines, vertical, NC	1	419	1	419
400050	Boring machines, vertical, non-NC	1	23	1	23
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	8	1203	8	1203
510080	Milling machines, knee type, NC	13	82	13	82
590030	Milling machines, knee type, non-NC	94	1185	94	1185
610080	Milling machines, excluding knee type, n.e.c., NC	9	2222	9	2222
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0	0	0
690070	Milling machines, bed type, non-NC	17	603	17	603
690090	Milling machines, n.e.c., non-NC	5	314	5	314
700020	Threading or tapping machines, n.e.c., NC	38	2566	38	2566
700080	Threading or tapping machines, n.e.c., non-NC	3	99	3	99
8460110080	Flat surface grinding machines, NC	8	855	8	855
190010	Flat surface grinding mach., recip.-table type, non-NC	60	755	60	755
190050	Flat surface grinding machines, n.e.c., non-NC	69	2465	69	2465
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	32	9340	32	9340
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	19	704	19	704
290030	Grinding machines, internal cylindrical, non-NC	14	1930	14	1930
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	55	4058	55	4058
310080	Sharpening machines (tool & cutter grinding), NC	9	350	9	350
390050	Sharpening machines (tool & cutter grinding), non-NC	136	954	136	954
400060	Honing or lapping machines, NC	2	229	2	229
400080	Honing or lapping machines, non-NC	29	3278	29	3278
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	2	21	2	21
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	77	2540	77	2540
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	0	0	0	0
200010	Shaping or slotting machines, NC	1	82	1	82
200090	Shaping or slotting machines, non-NC	10	1751	10	1751
300060	Broaching machines, NC	1	349	1	349
300080	Broaching machines, non-NC	3	1589	3	1589
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	9	4521	9	4521
401040	Gear shapers	3	46	3	46
401060	Gear cutting machines, n.e.c.	21	2	21	2
405050	Gear grinding or finishing for bevel gears	1	933	1	933
405070	Gear grinding or finishing machines, n.e.c.	3	669	3	669
500050	Sawing or cutting-off machines, NC	5	38	5	38
500090	Sawing or cutting-off machines, non-NC	115	2234	115	2234
9000000001	Metal cutting machine tools, n.e.c.	17	1319	17	1319
9800000001	Used or rebuilt machine tools	1462	2960	1462	2960
9900000001	Machine tools valued at less than $3,025	91548	7381	91548	7381
	Cutting Total			94693	135017
	Y-T-D Cutting Total	94693	135017		
	NC Y-T-D Cutting Total	594	79955		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	1	621	1	29	0	0	3	184
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	4	731	0	0	3	13792
300090	0	0	0	0	0	0	0	0	3	4030
8458110010	0	0	6	261	0	0	0	0	1	721
110030	0	0	0	0	0	0	0	0	1	253
110050	0	0	0	0	0	0	0	0	3	162
110090	0	0	0	0	0	0	0	0	2	461
190030	0	0	4	50	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	27
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	1	4	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	106	0	0
995090	0	0	14	81	0	0	0	0	2	15
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	6	111
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	36	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	33	0	0	0	0	0	0	1	5
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	3	911
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	1	298	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	47
400040	0	0	0	0	0	0	0	0	1	419
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	942
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	14	1	200	0	0	0	0
610080	0	0	0	0	3	9	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	3	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	70
8460110080	0	0	0	0	1	55	0	0	1	125
190010	0	0	0	0	0	0	0	0	3	150
190050	0	0	0	0	0	0	3	12	1	11
210080	0	0	0	0	0	0	0	0	10	4425
290010	0	0	0	0	4	14	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	22	2334
310080	0	0	0	0	0	0	0	0	6	183
390050	0	0	0	0	5	20	0	0	2	7
400060	0	0	0	0	0	0	0	0	2	229
400080	0	0	0	0	2	28	0	0	12	1864
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	3	63	0	0	5	922
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	1	82
200090	0	0	0	0	1	3	0	0	7	1342
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	7	4343
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	1	933
405070	0	0	0	0	0	0	0	0	1	652
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	17	152	0	0	10	483
9000000001	0	0	0	0	0	0	0	0	11	1032
9800000001	0	0	0	0	40	118	0	0	13	285
9900000001	2	3	0	0	89	37	114	194	319	209
Month Tot	3	36	29	1062	174	1767	118	312	467	41757
Y-T-D Tot	3	36	29	1062	174	1767	118	312	467	41757
NC YTD Tot	0	0	7	882	9	824	0	0	43	22057

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	36	3309	0	0	0	0	0	0
301050	0	0	19	1361	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	114	9366	0	0	18	1061	0	0
100025	1	1239	8	1216	0	0	0	0	0	0
100035	0	0	31	6645	3	239	0	0	0	0
100045	2	1233	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	208	1	184	0	0	0	0	0	0
8458110010	0	0	8	1812	0	0	0	0	0	0
110030	0	0	72	6599	11	674	0	0	0	0
110050	0	0	15	2285	0	0	0	0	0	0
110090	0	0	2	574	0	0	0	0	0	0
190030	0	0	0	0	0	0	13	170	4	167
190050	0	0	1	44	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	10	872	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	1	4	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	9	1981	0	0	0	0	0	0
290040	0	0	16	1867	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	4	3	245	0	0	0	0	31	285
310010	0	0	1	438	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	1	23	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	5	82	2	178	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	4	0	0	0	0	72	634
610080	0	0	3	561	0	0	2	70	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	11	402
690090	1	18	1	92	0	0	0	0	0	0
700020	0	0	32	2416	0	0	0	0	0	0
700080	0	0	2	29	0	0	0	0	0	0
8460110080	0	0	1	75	0	0	0	0	0	0
190010	3	53	1	68	0	0	43	378	0	0
190050	1	25	7	1331	0	0	0	0	1	55
210080	0	0	14	2889	0	0	0	0	0	0
290010	2	34	2	350	0	0	0	0	0	0
290030	0	0	7	1859	0	0	0	0	0	0
290050	0	0	1	4	0	0	0	0	0	0
310080	1	1	1	74	0	0	0	0	0	0
390050	0	0	115	764	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	7	251	29	314	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	2	406	0	0	0	0	0	0
300060	0	0	1	349	0	0	0	0	0	0
300080	0	0	3	1589	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	1	165	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	2	17	0	0	0	0	0	0	0	0
500050	3	19	2	19	0	0	0	0	0	0
500090	25	96	19	1134	5	24	0	0	0	0
9000000001	1	4	2	208	0	0	0	0	0	0
9800000001	1	9	32	1673	0	0	0	0	2	10
9900000001	1867	437	5790	936	735	65	0	0	0	0
Month Tot	1926	3755	6418	56287	754	1001	76	1679	121	1552
Y-T-D Tot	1926	3755	6418	56287	754	1001	76	1679	121	1552
NC YTD Tot	7	2493	379	42841	14	912	20	1131	0	0

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	3	378	0	0	0	0	12	533
301050	0	0	4	500	0	0	0	0	0	0
301070	0	0	0	0	12	120	0	0	1	71
8457100015	0	0	0	0	7	267	8	607	3	146
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	2	110	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	3	427	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	3	252	0	0	9	528	19	350
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	1	304	0	0
190030	0	0	0	0	56	421	1	14	77	602
190050	0	0	0	0	8	51	4	744	0	0
190070	0	0	3	457	0	0	1	28	0	0
190090	0	0	0	0	0	0	7	110	2	11
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	6	322	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	2	4	0	0
995090	0	0	1	9	1	141	1	122	1	4
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	2	7	0	0	0	0	0	0
290050	0	0	0	0	11	78	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	12	49	0	0	0	0	1	6	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	4	77
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	4	41	0	0
390050	0	0	0	0	1	7	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	5	42	0	0	8	40
590030	0	0	0	0	1	10	18	323	0	0
610080	0	0	1	1582	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	6	201	0	0	0	0	0	0	0	0
690090	0	0	2	201	0	0	0	0	0	0
700020	0	0	0	0	6	150	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	1	525	4	75	0	0	0	0
190010	0	0	0	0	4	34	0	0	6	73
190050	0	0	0	0	51	462	2	560	3	10
210080	0	0	3	668	0	0	5	1358	0	0
290010	1	9	4	250	3	42	3	5	0	0
290030	0	0	0	0	0	0	0	0	7	71
290050	1	457	3	1028	16	192	7	38	5	7
310080	0	0	0	0	0	0	0	0	1	91
390050	0	0	0	0	0	0	14	162	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	24	4	1268	0	0	9	94	0	0
900060	0	0	0	0	0	0	0	0	2	21
900080	1	8	9	765	2	18	7	52	14	147
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	1	14	0	0
401040	0	0	0	0	0	0	0	0	3	46
401060	0	0	21	2	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	28	251	0	0	11	94
9000000001	1	9	0	0	0	0	1	34	1	33
9800000001	0	0	3	85	13	188	36	422	1322	170
9900000001	155	294	15	21	70172	4565	30	52	12260	567
Month Tot	181	1162	85	8425	70401	7113	178	5944	13762	3165
Y-T-D Tot	181	1162	85	8425	70401	7113	178	5944	13762	3165
NC YTD Tot	0	0	15	3905	22	534	29	3119	49	1258

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

RELEASED: April 8, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	13	2044	13	2044
8462100030	Headers and upsetters, including cold headers	5	798	5	798
100050	Forging or die stamping machines, and hammers, n.e.c.	99	1208	99	1208
210080	Bending, folding, straight. or flat. mach., incl presses, NC	60	5336	60	5336
290030	Press brakes, non-NC	16	540	16	540
290040	Bending rolls, non-NC	1	12	1	12
290050	Bending, folding, straight., or flat., n.e.c., non-NC	74	6086	74	6086
310080	Shearing machines, NC	0	0	0	0
390050	Shearing machines, non-NC	42	3883	42	3883
410080	Punching or notching mach., incl. comb. punch & shear, NC	35	2532	35	2532
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	23	1061	23	1061
910060	Hydraulic presses, NC	1	1586	1	1586
910090	Hydraulic presses, non-NC	64	5229	64	5229
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	1	6590	1	6590
990045	Mechanical presses, n.e.c., non-NC	1	303	1	303
990060	Presses, n.e.c., non-NC	34	2243	34	2243
8463100080	Draw benches for bars, tubes, profiles, wire or the like	10	1570	10	1570
200080	Thread rolling machines	16	442	16	442
300080	Machines for working wire	64	3645	64	3645
900080	Metal forming machine tools, n.e.c.	48	2316	48	2316
9800000002	Used or rebuilt machine tools	133	1434	133	1434
9900000002	Machine tools valued at less than $3,025	984	506	984	506
	Forming Total			1724	49365
	Y-T-D Forming Total	1724	49365		
	NC Y-T-D Forming Total	96	9454		
	Cutting and Forming Totals:				
	Monthly Total			96417	184382
	Y-T-D Total	96417	184382		
	NC Y-T-D Total	690	89409		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	38279	0	38279
2000000000	Parts for working rubber or plastics - heading 8477	0	22373	0	22373
2710003070	Quenching or cutting oils	0	46	0	46
8428900010	Industrial robots for lifting, handling, loading or unload	64	2487	64	2487
8431390080	Parts industrial robots, handling and loading - heading 8428	0	5662	0	5662
8456101010	Laser, light or photon beam for working metal, NC	18	3461	18	3461
101020	Laser, light or photon beam for working metal, non-NC	6	1336	6	1336
105000	Laser, light or photon beam for other materials	3	472	3	472
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4	1	4
205000	Ultrasonic processes for working other materials	15	51	15	51
8477103000	Injection molding mach., for manufacturing shoes	2	327	2	327
106010	Injection molding mach., for rubber or oth. thermosetting	117	13584	117	13584
106050	Injection molding mach., for thermoplastics	293	22123	293	22123
200005	Extruders; rubber or other thermosetting mat., single screw	3	170	3	170
200015	Extruders; rubber or thermosetting, other incl. multi. screw	7	414	7	414
200035	Extruders; thermoplastics, single screw, less than 6.4cm	0	0	0	0
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	7	2053	7	2053
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	5	367	5	367
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	8	3511	8	3511
300000	Blow molding machines	16	3838	16	3838
400000	Vacuum-molding and other thermoforming machines	18	72	18	72
510010	Machines for molding or retreading pneumatic tires	49	876	49	876
510090	Machines for molding or otherwise forming inner tubes	4	241	4	241
590000	Machines for molding or otherwise forming n.e.c.	159	3930	159	3930
800000	Machines for working rubber or plastics n.e.c.	327	12954	327	12954
8479899040	Industrial robots, n.e.c.	89	3714	89	3714
908040	Industrial robot parts	0	2212	0	2212
8537100030	Numerical controls for controlling machine tools	376	1751	376	1751
9024100000	Machines and appliances for testing metals	0	485	0	485
9031100000	Machines for balancing mechanical parts	0	562	0	562
300000	Profile projectors	0	186	0	186
9032810020	Industrial process control instr., hydraulic	11678	127	11678	127
810060	Industrial process control instr., pneumatic	6660	125	6660	125

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	3	324	0	0	2	518
8462100030	0	0	0	0	1	19	0	0	1	428
100050	0	0	7	9	2	90	0	0	79	79
210080	2	227	0	0	12	720	0	0	17	2078
290030	0	0	0	0	14	475	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	13	277	0	0	6	442
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	13	0	0	1	83
410080	0	0	0	0	0	0	0	0	5	153
490050	0	0	0	0	2	28	0	0	1	8
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	5	357	0	0	6	773
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	1	303
990060	0	0	0	0	19	1226	0	0	0	0
8463100080	2	1024	0	0	0	0	0	0	8	546
200080	0	0	0	0	1	19	0	0	3	279
300080	4	1160	0	0	0	0	0	0	5	812
900080	0	0	0	0	5	40	0	0	3	48
9800000002	0	0	0	0	42	771	0	0	5	182
9900000002	0	0	0	0	9	9	1	3	21	15
Month Tot	8	2411	7	9	129	4368	1	3	164	6747
Y-T-D Tot	8	2411	7	9	129	4368	1	3	164	6747
NC YTD Tot	2	227	0	0	12	720	0	0	22	2231
C&F Month	11	2446	36	1071	303	6135	119	315	631	48504
C&F Y-T-D	11	2446	36	1071	303	6135	119	315	631	48504
C&F NC YTD	2	227	7	882	21	1544	0	0	65	24288
Other Manufacturing Technology										
1000000000	0	267	0	137	0	6070	0	775	0	6268
2000000000	0	66	0	5	0	5679	0	704	0	6387
2710003070	0	0	0	0	0	31	0	0	0	0
8428900010	0	0	0	0	4	278	0	0	3	210
8431390080	0	0	0	0	0	1190	0	114	0	1405
8456101010	0	0	0	0	0	0	0	0	7	753
101020	0	0	0	0	0	0	0	0	6	1336
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	1	4	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	3	649	2	213	10	2384
106050	0	0	0	0	43	5679	0	0	49	4237
200005	0	0	0	0	0	0	0	0	3	170
200015	0	0	0	0	3	29	0	0	3	157
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	1	482
200055	0	0	0	0	0	0	0	0	2	164
200065	0	0	0	0	0	0	0	0	5	1029
300000	0	0	0	0	2	15	1	721	3	2162
400000	0	0	0	0	0	0	0	0	14	22
510010	0	0	0	0	16	404	0	0	2	203
510090	0	0	0	0	0	0	0	0	2	3
590000	0	0	0	0	3	448	1	10	6	1853
800000	7	183	0	0	12	640	9	812	65	2224
8479899040	0	0	0	0	3	155	0	0	7	406
908040	0	0	0	0	0	18	0	0	0	758
8537100030	0	0	0	0	1	156	1	15	0	0
9024100000	0	0	0	0	0	58	0	0	0	63
9031100000	0	0	0	0	0	76	0	0	0	45
300000	0	0	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	1062	9
810060	0	0	0	0	0	0	3	5	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	94	7	1109	0	0	0	0	0	0
8462100030	2	209	1	142	0	0	0	0	0	0
100050	0	0	5	587	2	130	0	0	0	0
210080	1	15	22	1000	0	0	0	0	0	0
290030	0	0	2	65	0	0	0	0	0	0
290040	1	12	0	0	0	0	0	0	0	0
290050	1	7	22	4330	0	0	0	0	1	64
310080	0	0	0	0	0	0	0	0	0	0
390050	1	6	14	3492	0	0	0	0	14	175
410080	13	753	16	1435	0	0	0	0	0	0
490050	13	128	1	723	0	0	0	0	5	121
910060	0	0	1	1586	0	0	0	0	0	0
910090	5	59	22	3042	1	9	0	0	4	47
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	6590	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	11	796	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	1	11	0	0	0	0	0	0
300080	0	0	46	1493	0	0	0	0	0	0
900080	0	0	3	166	0	0	0	0	0	0
9800000002	2	2	10	243	0	0	0	0	0	0
9900000002	19	11	237	182	0	0	0	0	0	0
Month Tot	59	1297	422	26992	3	139	0	0	24	407
Y-T-D Tot	59	1297	422	26992	3	139	0	0	24	407
NC YTD Tot	14	768	39	4021	0	0	0	0	0	0
C&F Month	1985	5052	6840	83279	757	1140	76	1679	145	1959
C&F Y-T-D	1985	5052	6840	83279	757	1140	76	1679	145	1959
C&F NC YTD	21	3261	418	46862	14	912	20	1131	0	0

Other Manufacturing Technology

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	967	0	9865	0	157	0	97	0	153
2000000000	0	526	0	5756	0	68	0	1	0	14
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	29	710	0	0	0	0	0	0
8431390080	0	35	0	532	0	0	0	0	0	365
8456101010	0	0	10	2212	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	2	327	0	0	0	0	0	0	0	0
106010	2	400	79	8447	1	42	0	0	0	0
106050	27	303	134	10228	12	312	8	107	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	2	224	0	0	0	0	0	0	0	0
200055	0	0	2	179	0	0	0	0	0	0
200065	0	0	2	1421	0	0	0	0	0	0
300000	0	0	6	614	0	0	0	0	0	0
400000	0	0	3	5	0	0	0	0	0	0
510010	0	0	29	245	0	0	0	0	1	10
510090	1	236	0	0	0	0	0	0	0	0
590000	0	0	11	890	4	4	129	683	0	0
800000	10	215	136	7462	0	0	0	0	0	0
8479899040	0	0	55	2289	1	47	1	7	0	0
908040	0	3	0	1012	0	0	0	0	0	0
8537100030	1	4	347	1465	0	0	0	0	0	0
9024100000	0	0	0	165	0	0	0	2	0	0
9031100000	0	0	0	411	0	0	0	0	0	0
300000	0	0	0	47	0	0	0	0	0	0
9032810020	0	0	0	0	1988	11	0	0	0	0
810060	365	45	1154	12	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	223	0	0	1	63	2	27
210080	0	0	0	0	0	0	4	812	2	484
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	19	622	9	319	1	6	2	18	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	7	41	4	73
410080	0	0	0	0	0	0	0	0	1	191
490050	0	0	0	0	0	0	0	0	1	54
910060	0	0	0	0	0	0	0	0	0	0
910090	2	22	0	0	0	0	1	8	18	912
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	1	45	0	0	3	175	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	11	133	0	0	0	0
300080	0	0	2	18	2	85	2	8	3	69
900080	0	0	25	1893	1	4	9	47	2	118
9800000002	19	61	0	0	0	0	50	109	5	66
9900000002	0	0	12	17	641	235	20	12	24	22
Month Tot	41	750	49	2471	659	639	96	1116	62	2017
Y-T-D Tot	41	750	49	2471	659	639	96	1116	62	2017
NC YTD Tot	0	0	0	0	0	0	4	812	3	675
C&F Month	222	1912	134	10896	71060	7752	274	7060	13824	5182
C&F Y-T-D	222	1912	134	10896	71060	7752	274	7060	13824	5182
C&F NC YTD	0	0	15	3905	22	534	33	3931	52	1932
Other Manufacturing Technology										
1000000000	0	774	0	2892	0	2306	0	2327	0	5225
2000000000	0	94	0	472	0	566	0	608	0	1428
2710003070	0	0	0	15	0	0	0	0	0	0
8428900010	25	1122	0	0	0	0	1	5	2	163
8431390080	0	120	0	144	0	87	0	962	0	707
8456101010	0	0	1	496	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	2	6	1	466
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	15	51
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	3	89	6	343	0	0	11	1016
106050	0	0	3	393	9	236	0	0	8	629
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	1	229	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	3	754	1	593
200055	0	0	0	0	0	0	0	0	1	24
200065	0	0	1	1061	0	0	0	0	0	0
300000	0	0	1	209	2	16	0	0	1	101
400000	0	0	0	0	0	0	1	45	0	0
510010	0	0	0	0	0	0	1	14	0	0
510090	0	0	0	0	0	0	0	0	1	2
590000	0	0	1	20	2	15	0	0	2	6
800000	0	0	1	4	11	95	7	512	69	805
8479899040	12	668	1	10	0	0	0	0	9	132
908040	0	176	0	67	0	21	0	90	0	69
8537100030	0	0	0	0	0	0	14	38	12	74
9024100000	0	0	0	5	0	0	0	180	0	12
9031100000	0	0	0	2	0	0	0	26	0	2
300000	0	0	0	0	0	0	0	139	0	0
9032810020	0	0	307	12	0	0	2	8	8319	87
810060	43	5	0	0	1806	8	22	7	3267	42

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	14	291	2	484	16	775
Bulgaria	0	0	0	0	0	0
Czechoslovakia	4	89	0	0	4	89
Denmark	17	57	8	668	25	726
Finland	5	7	1	191	6	197
Hungary	1	5	0	0	1	5
Ireland	0	0	0	0	0	0
Luxembourg	0	0	0	0	0	0
Netherlands	1	67	8	412	9	479
Norway	0	0	0	0	0	0
Poland	27	372	0	0	27	372
Portugal	0	0	3	67	3	67
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	28	145	0	0	28	145
Oth Europe	0	0	2	118	2	118
TOTAL	3176	63976	466	17141	3642	81117
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	1	2	1	18	2	20
Oth N & C Am.	0	0	0	0	0	0
TOTAL	175	1768	130	4386	305	6155
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	1	4	1	4
Oth South Am.	0	0	0	0	0	0
TOTAL	29	1062	8	13	37	1075
OCEANIA						
Australia	1	91	0	0	1	91
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	1	91	0	0	1	91

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	13584	1044	16	40	13600	1084
Hong Kong	33	70	4	5	37	75
India	17	115	0	0	17	115
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	2	7	0	0	2	7
Malaysia	0	0	0	0	0	0
Pakistan	6	51	0	0	6	51
Philippines	0	0	0	0	0	0
Thailand	21	752	0	0	21	752
Oth Asia	0	0	0	0	0	0
TOTAL	91312	68120	1104	27815	92416	95935
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	16	10	16	10
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	16	10	16	10

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.